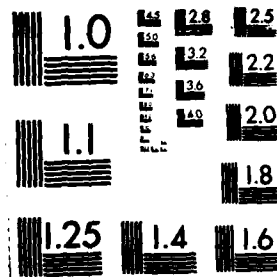


SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
CORPUS CHRISTI TEXAS(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC NOV 83

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AD-A150 456

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INVENTORY

SMOS, Corpus Christi, Tx.

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# SMOS

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

STATION: #12926 Corpus Christi, TX

PERIOD: March 1945-December 1982

JOB NO. 72006

DATE November 1983

PREPARED BY  
NAVAL OCEANOGRAPHY  
COMMAND DETACHMENT,  
FEDERAL BUILDING  
ASHEVILLE, N.C. 28801

PREPARED FOR  
COMMANDER,  
NAVAL OCEANOGRAPHY  
COMMAND  
NSTL MS 39529



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7. AUTHOR(s) NA		6. PERFORMING ORG. REPORT NUMBER
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18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT)	CALL SIGN	WMO NUMBER
12926	Corpus Christi, Texas	27° 42' N	97° 17' W	16	KNGP	72251

## STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE NSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1.	Weather service office, lower deck hanger # 58	Navy	1945	1960	27° 41' N	97° 17' W	34	Mercurial	24
2.	Weather service office, main deck hanger # 58	"	1960	1970	"	"	19	"	24
3.	Weather service office, main deck hanger # 58	"	1970	1976	"	"	Above Grd 19	"	"
4.	Weather service office, main deck hanger # 58	"	1970	1981	"	"	Above Grd 21	Aneroid	"
4a.	Weather service office, main deck	"	1981		27° 42' N	97° 17' W	24	"	"

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
*1.	1949	Atop control tower roof	Selsyn	Double register	90'	*Date equipment surveyed unknown 1. Marine barograph 2. Auto Met station (AN/GMQ-29) 3. Cloud height set (AN/GMQ-13) (RO-546) 4. Transmissometer (AN/GMQ-10C) 5. Radar (AN/FPS-106) 6. Weather vision (AN/GMQ-27) 7. GOES (9271 Alden) 8. Radar remote system (AN/GMH-6V) 9. Ceiling light (ML-121)
*1a.	1949	Atop hanger # 58	3 cup		67'	
1b.	1954	Atop control tower roof	UMQ-5C	RD-108	63'	
2.	1961	Between runway 13R-31L and taxiway yankee, 5300 ft west northwest of operations bldg, hanger #58	"	"	22'	
3.	1972	" " "	AN/UMQ-5C	"	28'	
3a.	1979	" " "	"	RD-108B	14'	

CONTINUED ON REVERSE SIDE

NOCD Federal Building  
Asheville, N. C.

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

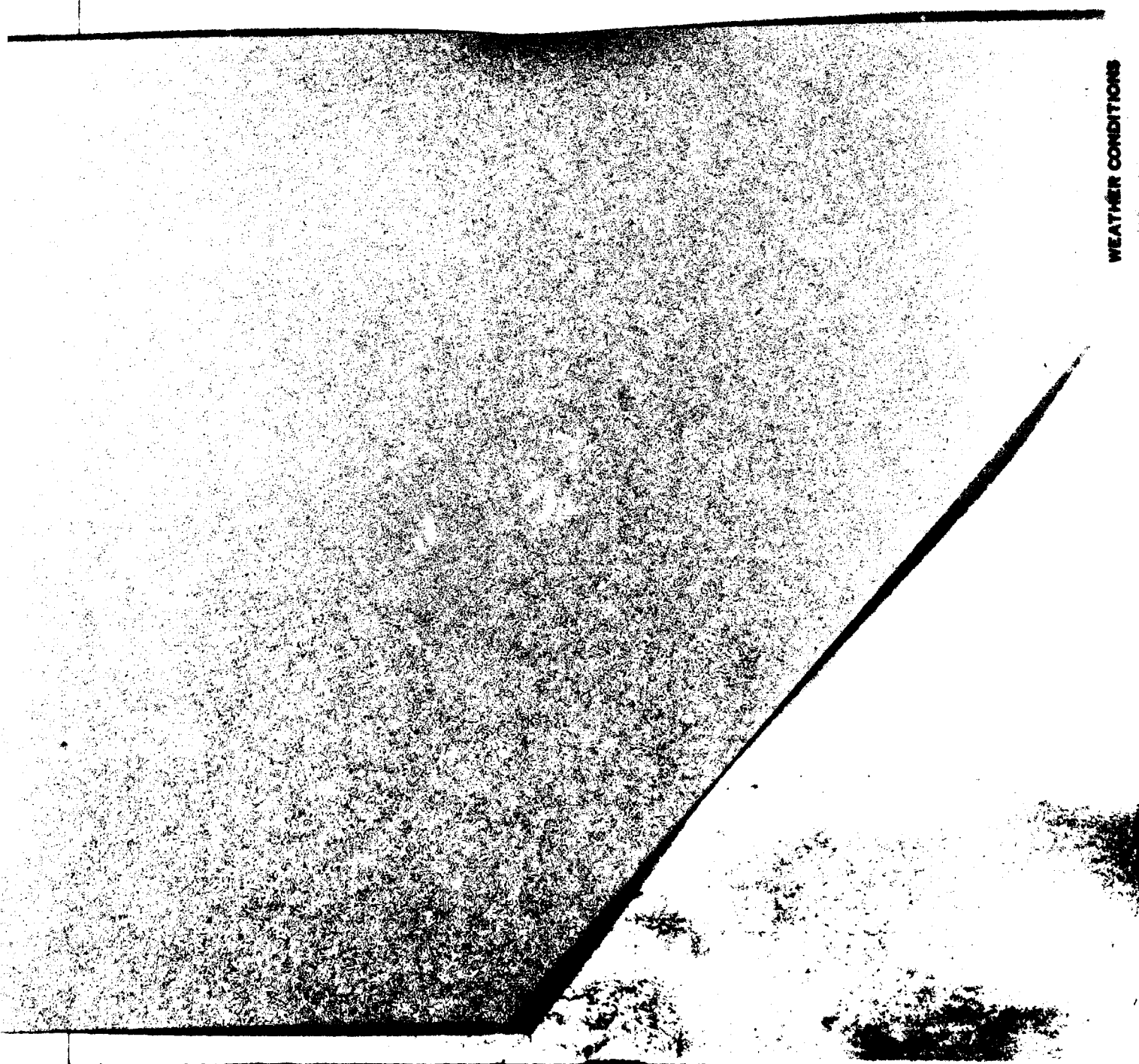
This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCDD), Asheville, N.C. welcomes your comment and criticisms.

WEATHER CONDITIONS



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## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

lowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

OTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

# WEATHER CONDITIONS

## ATMOSPHERIC PHENOMENA

17976 CORPUS CHRISTI, TEXAS 45-70 ALL

STATION STATION NAME YEARS MONTH

### PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	2.2	50.2	.9	.5	.2	45.9	50.9	23.8		.9	57.5	1054
FEB		3.5	45.3	.1	.4		41.3	46.1	23.6		2.0	54.8	940
MAR		4.3	45.3		.1		39.9	47.7	31.6		2.6	57.6	1054
APR		9.3	41.8			.5	37.0	43.0	41.7		1.6	58.0	1050
MAY		14.2	36.3				32.0	17.2	28.8		.4	35.0	1053
JUN		11.1	33.1			.1	29.2	5.2	10.9			13.1	1020
JUL		7.0	24.0				21.3	2.9	5.0		.1	7.0	1035
AUG		10.7	31.9				28.2	2.8	6.9			8.2	1054
SEP		10.0	51.6				45.5	5.7	13.3			16.1	1020
OCT		8.2	36.4				32.6	13.0	14.2		.2	21.3	1043
NOV		3.8	36.6	.1	.3	.1	32.4	28.3	16.3		.3	35.0	1049
DEC		0.1	45.6	.2	.1		40.2	42.2	20.9		.5	49.1	1054
TOTALS		6.1	39.9	.1	.1	.1	35.5	25.4	19.7		.7	34.4	12536

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# WEATHER CONDITIONS

1-42

YEARS

JAN

MONTH

DIVISION OF WEATHER  
OBSERVATIONS

% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
14.2	28.2	1.3			28.5	309
15.5	30.3				30.3	310
16.8	34.2	.6			34.2	317
15.5	44.2	5.5			48.1	310
12.9	26.1	7.4		.3	32.9	310
13.2	20.3	7.4			25.8	310
10.3	26.5	7.4			32.3	317
14.8	22.9	1.3			24.2	310
14.2	29.1	3.9		.0	32.0	2479

4

1942

STATION

CONR S CHRISTI, TEXAS

STATION NAME

PERCENTAGE FREQUENCY OF  
CONDITIONS FROM HOUR

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET
FEB	00		9.6		.4
	03	.4	10.3		.4
	06	.4	11.0		
	09	.4	11.7		
	12	.7	8.5		
	15	.4	8.2		
	18		7.8		
	21		9.9		
TOTALS		.3	9.6		.1

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## WEATHER CONDITIONS

10-10 STATION CORPUS CHRISTI, TEXAS 73-12 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
01	00	1.0	5.2				5.2	28.4	1.6		.3	29.4	71
	03	.3	9.9				9.9	24.7	1.3		.3	32.6	71
	06	.3	10.3				10.3	31.3	.3		.3	31.6	71
	09	.6	11.9				11.9	45.8	8.1		1.0	50.0	71
	12		6.8				6.8	12.7	17.1		1.0	34.2	71
	15	.3	4.8				4.8	10.0	19.4		.6	26.7	71
	18	.3	4.5				4.5	21.0	20.6		.6	37.1	71
	21		3.9				3.9	25.0	5.9		.3	29.7	71
TOTALS		.4	7.1				7.1	26.2	9.3		.6	34.0	2440

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# WEATHER CONDITIONS

17000  
STATION

CORRIS CHRISTI, TEXAS  
STATION NAME

73-82  
YEARS

APP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00	1.0	3.7				3.7	21.0	7.0		.3	25.7	300
	03	1.3	7.0				7.0	27.0	4.0			29.7	300
	06	.7	6.3				6.3	44.7	9.3			47.3	300
	09	1.3	8.7				8.7	27.7	19.0		.3	42.0	300
	12	1.0	5.3				5.3	7.7	23.7		.3	30.0	300
	15	2.0	4.3				4.3	5.3	25.7		.3	31.0	300
	18	.7	3.3				3.3	9.3	30.7		.7	37.7	300
	21	1.0	4.7				4.7	22.0	13.0		.3	31.0	300
TOTALS		1.1	5.4				5.4	20.6	16.6		.3	34.3	2400

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# WEATHER CONDITIONS

12921 STATION CORPUS CHRISTI, TEXAS STATION NAME 73-42 YEARS MAY MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00	1.3	2.9				2.9	6.8	6.5			12.3	310
	03	1.9	5.8				5.8	11.3	4.8			13.9	310
	06	1.9	4.5				4.5	36.5	19.7			45.8	310
	09	1.3	4.8				4.8	10.3	22.9		.3	27.1	310
	12	1.9	4.2				4.2	2.9	19.4			21.3	310
	15	1.0	2.9				2.9	1.3	19.0			19.7	310
	18	.6	2.6				2.6	2.3	25.2			25.8	310
	21	1.6	2.6				2.6	5.2	12.3			16.5	310
TOTALS		1.4	3.8				3.8	9.6	16.1		.0	22.8	2480

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# WEATHER CONDITIONS

10026 STATION CORPUS CHRISTI, TEXAS 73-P2 YEARS JUN MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00	.7	1.7				1.7	.3	2.3			2.3	300
	03	1.0	2.0				2.0	1.0	2.0			2.7	300
	06	2.3	4.0				4.0	11.0	13.0			21.3	300
	09	2.3	3.7				3.7		8.0			8.0	300
	12	2.0	4.7				4.7	.7	5.7			6.0	300
	15	1.0	4.7				4.7	.3	5.7			6.0	300
	18	1.0	2.7				2.7		5.3			5.3	300
	21		1.7				1.7	.3	3.0			3.3	300
TOTALS		1.3	3.2				3.2	1.7	5.6			6.9	2400

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# WEATHER CONDITIONS

17476 STATION CORPUS CHRISTI, TEXAS 73-82 YEARS JUL MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00	.6	2.9				2.9	.3	.3			.6	310
	03	1.3	2.6				2.6		.3			.3	310
	06	1.9	3.5				3.5	5.8	10.0			14.8	310
	09	.3	5.8				5.8	1.6	3.2			4.5	310
	12	1.9	3.9				3.9	1.0	3.2			4.2	310
	15		2.3				2.3	.6	3.5			4.2	310
	18	.3	1.6				1.6	.6	4.8			5.5	310
	21	.6	2.3				2.3	.3	1.9			2.3	310
TOTALS		.9	3.1				3.1	1.3	3.4			4.6	2487

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# WEATHER CONDITIONS

1992 CORPUS CHRISTI, TEXAS 73-92 AUG  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00		1.0				1.0	1.0	2.0			3.2	310
	03	1.3	4.2				4.2	.6	2.3			2.6	310
	06	4.8	4.5				4.5	5.8	8.1			11.9	310
	09	2.3	7.4				7.4	1.6	7.1			8.4	310
	12	2.9	4.8				4.8	.6	7.1			7.7	310
	15	1.0	4.5				4.5	1.0	5.2			6.1	310
	18	.3	1.9				1.9	.3	5.5			5.8	310
	21		1.0				1.0	.3	2.9			2.9	310
TOTALS		1.6	3.7				3.7	1.4	5.1			6.1	2480

NAYWEASERVCOM

# WEATHER CONDITIONS

12071      CORPUS CHRISTI, TEXAS      73-82      SEP

STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00	2.0	3.7				3.7	1.0	4.3			5.3	300
	03	4.7	5.7				5.7	1.3	2.7			4.0	300
	06	5.3	8.3				8.3	5.7	8.3			11.0	300
	09	2.0	7.7				7.7	3.7	15.7			16.0	300
	12	1.0	6.0				6.0	2.0	12.0			14.0	300
	15	2.0	3.3				3.3	.7	10.0			10.7	300
	18	1.7	2.0				2.0	.7	9.3			10.0	300
	21	.7	2.3				2.3	.3	5.0			5.3	300
TOTALS		2.4	4.9				4.9	1.9	8.4			9.8	2400

NAVWEASERVCOM

# WEATHER CONDITIONS

12976

CORPUS CHRISTI, TEXAS

73-82

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00	.3	5.2				5.2	1.3				1.3	310
	03	1.3	4.8				4.8	3.5	.6			3.9	310
	06	1.9	6.8				6.8	6.1	1.3			6.5	310
	09	1.0	6.8				6.8	8.1	9.0			15.8	310
	12	.3	5.2				5.2	2.6	5.2			7.1	310
	15		4.2				4.2	1.3	3.2			4.2	310
	18	1.3	5.2				5.2	3.2	4.2			6.8	310
	21	.6	4.8				4.8	1.3	.6			1.9	310
TOTALS		.8	5.4				5.4	3.4	3.0			5.9	2480

NAVWEASERVCOM



# WEATHER CONDITIONS

129.73 STATION CORPUS CHRISTI, TEXAS 73-82 YEARS NOV MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00	1.0	5.7				5.7	9.7	2.3			11.3	300
	03	.7	6.3				6.3	17.7	1.0			18.3	300
	06		7.7				7.7	20.0	1.3			20.7	300
	09	.3	6.3				6.3	19.7	8.7			26.7	300
	12	.7	7.3	.3			7.3	11.0	7.0			16.0	300
	15		5.3				5.3	8.0	7.7			14.3	300
	18	.7	6.7				6.7	9.3	11.0			19.3	300
	21	.3	5.0				5.0	8.0	4.3			11.3	300
TOTALS		.5	6.3	.0			6.3	12.9	5.4			17.2	2400

NAVWEASERVCOM

# WEATHER CONDITIONS

1977 CORPUS CHRISTI, TEXAS 78402 DEC  
STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00		7.1				7.1	17.5	1.0			18.1	309
	03	.3	9.1				9.1	21.0	.6			21.4	309
	06		10.0				10.0	25.6	.3		.3	25.9	309
	09	.3	9.4				9.4	21.4	5.4		.3	34.3	309
	12		7.8				7.8	13.6	6.9			19.1	309
	15	.3	7.1				7.1	4.7	5.2			13.6	309
	18		6.9				6.9	14.9	8.4			22.1	309
	21		7.5				7.5	14.0	1.9			14.6	309
TOTALS		.1	8.1				8.1	14.3	3.4		.1	21.1	247

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# WEATHER CONDITIONS

10977 STATION CORPUS CHRISTI, TEXAS 73-92 YEARS ALL NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN.	ALL	.2	14.0	.0	.2		14.2	29.1	3.9		.0	32.0	2470
FEB		.3	9.6		.1		9.7	24.3	8.6		.1	31.0	2756
MAR		.4	7.1				7.1	26.2	9.3		.6	34.0	2480
APR		1.1	5.4				5.4	20.6	16.6		.3	34.3	2400
MAY		1.4	3.8				3.8	9.6	16.1		.0	22.8	2480
JUN		1.3	3.2				3.2	1.7	5.6			6.9	2400
JUL		.9	3.1				3.1	1.3	3.4			4.6	2480
AUG		1.6	3.7				3.7	1.4	5.1			6.1	2480
SEP		2.4	4.9				4.9	1.9	8.4			5.8	2400
OCT		.8	5.4				5.4	3.4	3.0			5.9	2480
NOV		.5	6.3	.0			6.3	12.9	5.4			17.2	2400
DEC		.1	3.1				8.1	16.3	3.6		.1	21.1	2470
TOTALS		.9	6.2	.0	.0		6.2	12.6	7.4		.1	16.8	29205

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

12707 MARDES CHRISTI, TEXAS  
STATION STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

JANUARY ALL  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.2	1.7	15.1	.2		.2		.2	29.4	.5	2.9			59.8
NNE	.4	1.7	6.4		.7			.3	21.5		3.7			72.5
NE	.6	.6	7.9						31.6	.6	4.5			41.2
ENE	.1		.8						11.3	.8	4.4			74.2
E	6.1		1.7						25.2		7.0			65.7
ESE	.6		3.3						27.6	2.2	2.2			55.6
SE	4.1	.6	4.1						30.6	.6	1.8			67.6
SSE	.9	1.8	1.9						29.5	.9	6.9			51.8
S	2.3	.5	2.3					.5	15.3		6.0			58.3
SSW	.5		2.0						31.4	3.9	3.9			62.7
SW			3.7						22.2	11.1	7.4			59.3
WSW	.5								11.1					88.9
W	.7	2.8	13.9						44.4	2.8	2.8			47.2
WNW	4.7	2.3	17.3					2.3	44.2		2.3			48.5
NW	.7	1.9	12.6			1.0		1.0	23.3	2.9	2.9			64.1
NNW	4.5	1.0	12.9						25.4	.5	1.0		.5	63.2
VARIABLE														
CALM	2.4		3.4						46.8	1.8	1.2			51.6
TOTAL	14.2	25	145	1	2	2		5	697	24	96		1	1588
% TOTAL	6.1	1.7	7.5	.2	.1	.1		.2	28.1	1.0	3.9		.0	64.1

TOTAL NUMBER OF OBSERVATIONS 2,479

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

19976 TOPPIS CHRISTI, TEXAS JANUARY 1973-DECEMBER 1992 FEBRUARY ALL  
STATION STATION NAME YEARS MONTH DATE

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	WEATHER
N	7.6	1.2	9.8					.3	19.9	.3	5.9			72.4
NNE	7.6	2.4	9.1					.5	26.5	1.9	12.8			57.3
NE	11.6	2.5	10.8					.7	32.4	3.4	12.2			55.6
ENE	6.3	.7	9.1					1.3	34.2	.7	15.4			51.6
E	4.2	1.7	2.5						21.0	.8	24.4			58.8
ESE	2.7		.7						15.4	2.0	10.7			71.6
SE	3.2		.7						15.8	1.8	6.0			76.4
SSE	1.3	.4	3.4					.4	20.6		5.6			75.1
S	1.2		3.6						21.8	.5	7.1			70.1
SSW	2.9		2.9						23.5	2.9	2.9			75.6
SW			6.1						24.2	3.0	3.0			69.7
WSW		7.1							21.4					78.6
W		3.6							21.4					78.6
WNW	6.5				6.5				16.1					77.4
NW	2.0		2.5						13.7	2.0	5.9			74.4
NNW	1.5	.8	10.0						26.2	.5	2.3			66.5
VARIABLE														
CALM	2.2		4.6						16.0	1.7	9.3			54.6
TOTAL	96	19	121		2			6	518	29	195			1514
% TOTAL	3.3	.8	5.4		.1			.3	23.0	1.3	8.6			67.1

TOTAL NUMBER OF OBSERVATIONS 2,256

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

10701 CORPUS CHRISTI, TEXAS JANUARY 1973-DECEMBER 1992 MARCH ALL  
STATION STATION NAME YEAR MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	4.5	2.0	5.5					1.0	14.9	.5	6.0			74.1
NNE	4.5	2.1	5.6					.7	15.4		4.9			73.7
NE	4.1	.8	16.7						31.1		4.0			67.8
ENE	7.2	2.1	8.9						32.9		13.0			53.7
E	1.9	.8	5.7					.4	25.5	.8	11.8			55.6
ESE	1.1	.4	4.1						23.5	1.1	12.3			63.8
SE	.0	1.5	1.2					.6	27.2	.9	8.3			63.9
SSE	1.0	.2	1.7						28.4	.2	14.2			59.7
S	.4	.4	3.3					.4	16.9	.7	10.4			55.4
SSW	5.3	2.6	2.6					2.6	26.3		5.3			65.8
SW			5.6						33.3					66.7
WSW									5.9		5.0			88.7
W									14.3		4.8			85.7
WNW		5.3							10.5					89.5
NW		3.9	2.5					2.0	9.8		3.9			86.3
NNW	3.0	3.0	4.0						19.0		2.0			76.0
VARIABLE														
CALM			1.1						21.4	1.6	1.6			73.8
TOTAL	52	28	100					9	637	13	230			1592
% TOTAL	7.1	1.1	4.0					.4	25.7	.5	9.3			64.7

TOTAL NUMBER OF OBSERVATIONS 2,490

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

1972

CORPUS CHRISTI, TEXAS

JANUARY 1973-DECEMBER 1972

APRIL

ALL

STATION

STATION NAME

YEARS

PERIOD

TYPE

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SMOKE HAZE	BLIZZARD	OTHER
N	0.1	3.4	5.4					.7	20.9		8.1			69.0
NNE	0.7	1.9	1.7					1.9	17.1		3.8			70.7
NE	5.3	5.3	3.5					3.5	15.9		6.7			67.3
ENE	3.1	3.9	3.1					3.1	21.1	.8	7.8		.8	68.0
E	1.9	2.3	1.9					1.9	16.5	2.7	12.6		1.1	65.6
ESE	.3	1.0	.3					.3	15.5	1.8	26.6			60.0
SE	.4	.9	.9					.5	19.8	2.1	25.3			57.4
SSE	.5	1.7	1.1					.6	23.5	.3	19.5		.3	59.6
S	.5	.9	.9						21.3		15.7			64.4
SSW		2.3						2.3	26.4		6.8			61.4
SW									12.5		12.5			75.0
WSW	7.1	7.1						7.1	28.6	7.1				57.1
W		9.1						9.1	27.3	9.1	9.1			54.5
WNW		22.2						11.1	22.2		11.1			44.4
NW	2.4	2.4	2.4					2.4	12.2					45.4
NNW	7.4		1.7					1.7	10.3					96.2
VARIABLE														
CALM	1.1		1.3						19.7	4.6	4.4			72.5
TOTAL	42	46	43					27	463	71	397			1524
% TOTAL	1.1	1.9	1.3					1.1	19.3	1.3	16.5		.2	63.7

TOTAL NUMBER OF OBSERVATIONS 2,470

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

12100  
STATION

ROPER, CHRISTI, TEXAS  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

MAY  
MONTH

ALL  
YEAR

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N		7.0						2.6	6.1		6.1			85.1
NNE		9.5						4.1	6.6		12.2			77.7
NE	7.1	4.2	1.1					4.2	4.4	1.1	9.5			79.9
ENE	1.1	6.5						3.3	8.7		19.6			71.7
E	.4	3.1	1.6					2.4	7.4	.4	22.7			68.1
ESE		2.1	.3					.5	6.4	.5	21.4			73.5
SE	.2	1.2	.4					.5	7.7	.7	26.0			73.6
SSE	.2	1.9	.2					.6	7.7	.6	11.3			80.3
S		2.1	.3						10.6	.8	13.6			77.5
SSW	6.6	5.6							16.9		38.9			38.9
SW	9.1								9.1					81.8
WSW	9.1	9.1						9.1	27.3					63.6
W		5.6						5.6	22.2	5.6	5.6			61.1
WNW									18.2	9.1	9.1			63.6
NW		13.6						18.2	18.2		13.6			63.6
NNW	2.4	2.4						2.4	9.5		7.1			81.0
VARIABLE														
CALM		4.3	1.4					2.9	18.6	4.3	10.1			68.6
TOTAL	10	72	12					36	219	18	400			1859
% TOTAL	.4	2.9	.5					1.5	8.8	.7	16.1			75.7

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM



4

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

1990 COPPER CHRISTI, TEXAS JANUARY 1973-DECEMBER 1992 JUNE ALL  
STATION STATION NAME YEARS MONTH HOURS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	ALL WEATHER
N	1.7	3.3						1.7			3.3			91.7
NNE	3.7	9.3						1.9	3.7		13.0			74.1
NE	2.0	3.9						3.9			7.8			84.3
ENE	0.6	6.9						1.4			6.3			79.5
E	0.5	3.0						0.5	0.5	1.0	7.6			87.4
ESE	0.5	2.7						1.8	0.9	0.3	3.6			91.0
SE	0.0	0.5						0.7	0.3	0.7	6.0			92.3
SSE	0.0	0.2						0.3	1.2	0.2	5.3			93.5
S	0.0	2.0						1.6	2.0	0.4	5.9			89.8
SSW		0.4						3.1						90.6
SW		5.6							5.6		5.6			88.9
WSW		10.0						14.3	4.8		4.8			71.4
W		6.3						12.5	12.5					75.0
WNW		10.0	10.0					10.0	20.0					70.0
NW		6.7						6.7		6.7				86.7
NNW	0.3								6.3		12.5			81.3
VARIABLE														
CALM								1.7	2.6	2.6	5.2			85.7
TOTAL	1	76	1					31	29	12	135			2154
% TOTAL	0.0	0.3	0.0					1.3	1.2	0.5	5.6			89.3

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

12-00  
STATION

CORPUS CHRISTI, TEXAS  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

JULY  
MONTH

ALL  
WEATHER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	ALL WEATHER
N		10.0						1.1			5.3			73.7
NNE		4.2												96.8
NE	10.0	12.0						8.0	4.0					72.0
ENE	4.7	16.3							7.0					79.1
E	3.1	3.1						1.5	1.5	.8	3.8			87.8
ESE	.0	3.7						.6	1.4		4.5			90.4
SE	.3	1.4						.7	1.0		4.1			93.4
SSE	.3	.9						.2		.3	3.4			95.0
S	.0	.9	.2					.7	.9	.2	2.9			94.3
SSW	1.4	1.4								1.4				95.7
SW								3.8			3.8			92.3
WSW		5.7						5.9			5.9			88.2
W	5.1													90.9
WNW		55.0							40.0					60.0
NW		42.9						14.3						57.1
NNW	5.3									6.3				83.3
VARIABLE														
CALM	1.0	1.0						1.5	1.5	1.5	1.5			91.0
TOTAL	21	55	1					22	24	8	85			2291
% TOTAL	6.1	2.2	.0					.9	1.0	.3	3.4			82.4

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

1 974 CORPUS CHRISTI, TEXAS JANUARY 1973-DECEMBER 1982 AUGUST ALL  
STATION STATION NAME YEARS MONTH DATE

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	PERCENTAGE
N								5.9	2.0	2.0	17.6			74.5
NNE	6.0	4.6						8.5	5.1		18.6			66.1
NE	4.4	2.9									16.2			76.5
ENE	1.1	4.3						1.1			10.9			83.7
E	1.3	4.3						2.6			7.8			85.7
ESE	1.3	2.8						1.3	1.9		2.2			93.1
SE	0.0	1.0						0.6	0.4		3.0			95.6
SSE	0.0	1.4						0.6	0.6		3.3			94.4
S	0.0	2.4						1.2	0.6	0.3	1.8			94.2
SSW		10.5						3.5	1.8		1.8			86.0
SW	0.2	3.2							3.4					95.3
WSW		4.3						9.5	9.5		4.8			81.0
W	0.0	3.2							12.9	6.5	12.9			71.0
WNW		9.1						9.1			27.3			63.6
NW								18.0			10.0			60.0
NNW		9.5						4.4			23.8			66.7
VARIABLE														
CALM	1.4	3.6						2.4	2.9	1.4	6.8			85.4
TOTAL	2.3	6.6						39	29	6	127			2233
% TOTAL	1.0	2.7						1.6	1.2	0.2	5.1			90.7

TOTAL NUMBER OF OBSERVATIONS 2233

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

1000 S CHRISTE, TEXAS

JANUARY 1973-DECEMBER 1982

SEPTEMBER

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING FART ANY	% TOTAL
N	1.7	3.4						2.4	2.3		19.8			74.0
NNE	3.7	6.3	.5					3.7	5.5		16.9			66.7
NE	.7	1.4						3.8	3.8		14.6			76.2
ENE	.7	2.4						1.7			19.0			76.7
E	.7	3.3						3.6	.7		11.3			81.2
ESE	.4	1.9						.7	.4		8.4			89.1
SE	.7	1.3						.3	.3	.3	3.8			94.1
SSE	.1	2.0						1.4			1.4			95.9
S		4.3						2.1			.5			98.7
SSW		7.0						9.3	2.3					88.4
SW	.1	6.8						5.9			5.9			79.4
WSW		4.0						4.9	9.5					81.0
W	.0	5.0						2.5	2.5		2.5			87.5
WNW		16.2						9.1	16.2		13.6			68.2
NW	2.2	6.9						4.4	2.2		4.4			84.4
NNW	1.7	5.2							6.9		17.2			74.1
VARIABLE														
CALM		2.9						3.5	1.2	.6	2.9			91.9
TOTAL	70	26	1					58	44	2	272			2048
% TOTAL	1.7	3.6	.0					2.4	1.8	.1	8.4			85.3

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

12401 STATION TOMPAH CHRISTI, TEXAS JANUARY 1973-DECEMBER 1992 MONTH OCTOBER ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	ALL WEATHER
N	2.2	4.0	1.3					1.2	5.3	.4	3.1			79.5
NNE	2.4	4.4	1.2					.2	7.6	1.2	6.2			77.2
NE	2.0	5.3						2.0	5.3	.7	6.6			84.2
ENE	.6	4.6						1.5	2.3		6.2			87.7
E	1.2	1.6						1.2	2.1		2.1			94.2
ESE		1.0									1.5			97.3
SE	.4	1.5							.7	.4	1.1			96.7
SSE	.4	1.4						.7	.7		1.1			97.5
S	.3	2.0									.3			96.4
SSW														100.0
SW		3.6						3.6			3.6			92.9
WSW		4.0								4.0	4.0			92.0
W	3.4							3.4			3.4			93.1
WNW	4.0	4.8						4.0	14.3	4.4	14.3			61.0
NW	4.2	6.3						2.1	5.3	6.3	6.3			77.1
NNW	9.5		1.0						5.7	1.4	2.9			81.9
VARIABLE														
CALM	2.1							.6	4.9	1.7	2.4			91.5
TOTAL	6.1	19	8					21	69	16	74			2234
% TOTAL	2.7	2.4	.3					.8	2.8	.6	3.0			99.1

TOTAL NUMBER OF OBSERVATIONS 2,440

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

1.77 STATION COPIED CHRISTI, TEXAS JANUARY 1973-DECEMBER 1982 NOVEMBER ALL  
STATION STATION NAME YEARS MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMO HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	1.0	1.4	7.2	.3				1.7	18.4		4.0			72.1
NNE	7.0	.9	.4					.8	16.9	.8	5.9			74.4
NE	4.1	1.4							12.2		10.1			74.4
ENE	2.4	1.6	1.6					.9	13.5		11.9			74.0
E	2.7	2.7	.9						8.0	.9	6.2			80.0
ESE									6.4	.8	7.2			86.4
SE	.4	1.2						.4	4.0	.8	3.6			91.1
SSE	.7	2.1							4.5		4.2			89.6
S		.5							8.1	1.0	4.0			86.9
SSW		2.6									2.8			95.0
SW		3.0							14.3					62.1
WSW			.3						26.3					73.7
W									11.3	3.1	6.3			65.6
WNW	7.0	2.3	4.7						20.9					59.8
NW	7.8	3.9	2.0					2.0	21.6	2.0	5.9			73.5
NNW	5.4	2.0	5.0						20.8		3.4			71.8
VARIABLE														
CALM									17.5	2.4	6.4			73.8
TOTAL	79	33	42	1				11	296	14	130			1915
% TOTAL	3.3	1.4	1.8	.0				.5	12.3	.6	5.4			79.8

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

12470 CHRISTIA, TEXAS JANUARY 1973-DECEMBER 1982 DECEMBER ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	0.0	.5	4.6					.2	17.1	1.1	1.6			75.9
NNE	0.0	.7	5.9						16.7		3.6			76.4
NE	0.1	1.4	5.1						20.3		3.6			73.2
ENE	4.0	1.0	4.0						17.2		6.1			73.7
E	5.0								17.5		7.0			80.0
ESE	7.2								7.2	1.4				87.0
SE	3.5								15.6	.7	5.7			78.7
SSE	1.7	.4	2.2					.4	15.7		4.8			78.6
S	1.0		.3						17.3	1.4	6.6			76.8
SSW	2.3							1.1	11.5	2.3	3.4			82.8
SW									15.4		3.8			84.6
WSW			3.7						14.8	3.7				81.5
W	0.1	2.0	3.9						29.4		2.0			64.7
WNW	0.7		5.7						15.6					77.8
NW	5.9		5.6						20.0	3.3	3.3			67.8
NNW	17.1		9.8						18.2	1.4	3.4			69.0
VARIABLE														
CALM	2.0	0.2	2.5						0.0	2.0	2.5			86.0
TOTAL	111	10	94					1	430	23	93			1374
% TOTAL	4.5	.4	3.4					.1	17.4	.9	3.8			75.9

TOTAL NUMBER OF OBSERVATIONS 2,472

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

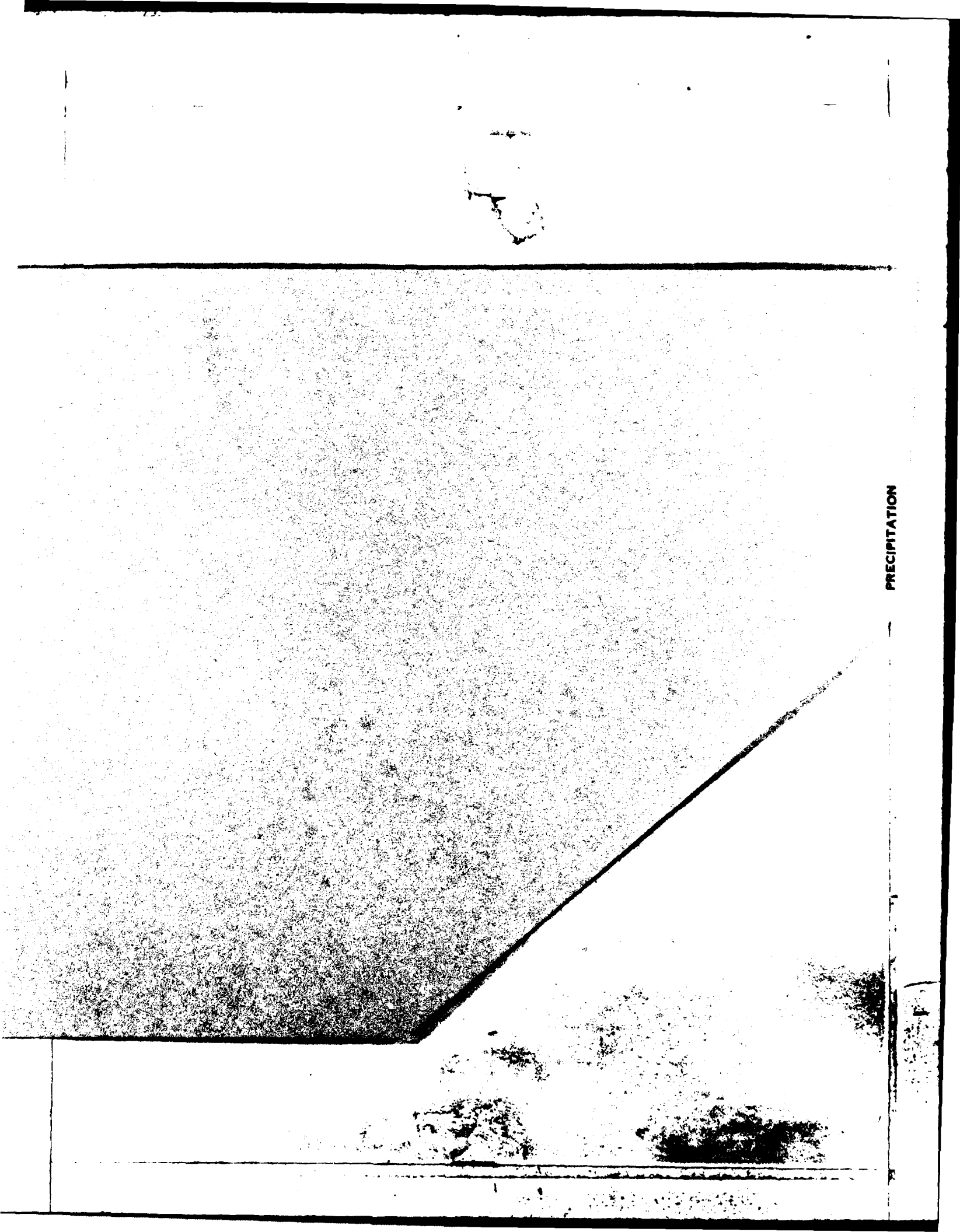
1. STATION: DALLAS-FORT WORTH, TEXAS JANUARY 1973-DECEMBER 1992 PERIOD: ALL MONTHS: ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% OBSERVATIONS
N	5.2	2.3	1.6	.1		.2		1.3	16.4	.4	5.6			72.7
NNE	5.1	3.0	3.4		.1			1.3	15.2	.5	7.7			72.5
NE	5.1	3.3	4.0					1.5	16.5	.6	8.5			72.5
ENE	3.7	3.3	3.7					1.2	15.0	.2	11.2		.1	71.1
E	1.7	2.4	1.3					1.5	9.8	.7	10.7		.1	76.3
ESE	.0	1.7	.6					.6	7.6	.7	10.4			80.6
SE	.8	1.0	.4					.4	4.2	.7	8.5			82.8
SSE	.6	1.2	.6					.4	9.0	.2	6.8		.0	83.7
S	.6	1.3	.9					.6	11.7	.5	6.0			81.1
SSW	1.9	3.1	.5					1.7	11.7	1.0	3.6			81.8
SW	1.4	2.4	1.4					1.4	11.1	1.4	3.5			80.6
WSW	1.3	4.9	.9					4.0	12.0	1.3	2.2			80.4
W	2.5	2.8	2.2					1.9	19.8	1.9	4.0			72.2
WNW	4.1	4.8	4.6		.7			2.6	71.1	.7	4.4			67.8
NW	4.7	3.9	4.1			.2		2.6	14.6	2.2	4.3			74.3
NNW	6.1	1.4	6.5					.3	13.2	.7	3.3		.1	72.1
VARIABLE														
CALM	1.6	1.3	1.7					1.0	16.1	2.4	4.4			77.6
TOTAL	590	555	598	2	4	2		263	3455	196	2164		6	22830
% TOTAL	2.4	1.9	2.0	.0	.0	.0		.9	11.8	.7	7.4		.3	78.3

TOTAL NUMBER OF OBSERVATIONS 29,205



PRECIPITATION



100. Federal Building  
heville, N. C.

PART B                      PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.

2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NAME STATION YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN																		
FEB																		
MAR																		
APR																		
MAY																		
JUN																		
JUL																		
AUG																		
SEP																		
OCT																		
NOV																		
DEC																		
ANNUAL																		

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NAME: CHRISTI, TEXAS YEARS: 41

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.05	.06-10	11-25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	.	.													1147	TRACE	TRACE	.
FEB	.	.													1045	TRACE	TRACE	.
MAR	.	.													1116	TRACE	TRACE	.
APR	.	.													1191	.	.	.
MAY	.	.													1116	TRACE	TRACE	.
JUN	.	.													1116	.	.	.
JUL	.	.													1171	.	.	.
AUG	.	.													1147	.	.	.
SEP	.	.													1111	.	.	.
OCT	.	.													1111	.	.	.
NOV	.	.													1117	TRACE	TRACE	.
DEC	.	.													1147	TRACE	TRACE	.
ANNUAL	.	.													13417	.		

NAYWEASERVCOM

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

STATION 1ST, 1944 STATION NAME 47-52 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN																		
FEB																		
MAR																		
APR																		
MAY																		
JUN																		
JUL																		
AUG																		
SEP																		
OCT																		
NOV																		
DEC																		
ANNUAL																		

## EXTREME VALUES

STATION

STATION NAME

YEARS

SECRET

[illegible]

## SMOS

## EXTREME VALUES

STATION	STATION NAME	YEARS
	WIP & COM STN, INDIAN	42-

2. 1950 AMOUNTS IN DOLLARS

[illegible]

## SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION POSS CHRISTIAN STATION NAME 45- YEARS

24 HOUR AMOUNTS IN INCHES  
BASED ON LESS THAN FULL MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4			0.57										PRECIP INCHES
5													PRECIP INCHES
													PRECIP INCHES
					1.45								PRECIP INCHES
													PRECIP INCHES
									2.04				PRECIP INCHES
								0.75					PRECIP INCHES
						0.47							PRECIP INCHES
MEAN													
S. D.													
TOTAL OBS.													

SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MONTH ALL  
(FROM DAILY OBSERVATIONS)

STATION WPGS CR 151, 1944 STATION NAME 45- YEARS

24 HOUR AMOUNT IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	.	.	.	.	.	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.	.	.	.	.	.
3	TRAC	.	.	.	.	.	.	.	.	.	.	.	.
4	TRAC	TRAC	.	.	.	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.	.	.	.	.	.
9	.	.	.	.	.	.	.	.	.	.	.	.	.
10	.	.	.	.	.	.	.	.	.	.	.	.	.
11	.	.	.	.	.	.	.	.	.	.	.	.	.
12	.	.	.	.	.	.	.	.	.	.	.	.	.
13	.	.	.	.	.	.	.	.	.	.	.	.	.
14	.	.	.	.	.	.	.	.	.	.	.	.	.
15	.	.	.	.	.	.	.	.	.	.	.	.	.
16	TRAC	TRAC	.	.	.	.	.	.	.	.	.	.	TRAC
17	.	.	.	.	.	.	.	.	.	.	.	.	.
18	.	.	.	.	.	.	.	.	.	.	.	.	.
19	.	.	.	.	.	.	.	.	.	.	.	.	.
20	.	.	.	.	.	.	.	.	.	.	.	.	.
21	.	.	.	.	.	.	.	.	.	.	.	.	.
22	.	.	.	.	.	.	.	.	.	.	.	.	.
23	.	.	.	.	.	.	.	.	.	.	.	.	.
24	.	.	.	.	.	.	.	.	.	.	.	.	.
25	.	.	.	.	.	.	.	.	.	.	.	.	.
26	.	.	.	.	.	.	.	.	.	.	.	.	.
27	.	.	.	.	.	.	.	.	.	.	.	.	.
28	.	.	.	.	.	.	.	.	.	.	.	.	.
29	.	.	.	.	.	.	.	.	.	.	.	.	.
30	.	.	.	.	.	.	.	.	.	.	.	.	.
31	.	.	.	.	.	.	.	.	.	.	.	.	.
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION CLIPPER CHRISTIAN TOWER STATION NAME 95-5 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
5	.	.	.	.	.	.	.	.	.	.	TRACE	TRACE	TRACE
7	.	.	.	.	.	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.	.	.	TRACE	.	TRACE
	TRACE	TRACE	.	.	TRACE	.	.	.	.	.	.	.	TRACE
	TRACE	.	.	.	.	.	.	.	.	.	.	.	TRACE
MEAN	TRACE	TRACE	TRACE	.00	TRACE	.00	.00	.00	.00	.00	TRACE	TRACE	.00
S. D.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL OBS.	114	1045	1114	1147	1118	111	1174	1147	111	1115	1111	1147	1342

SMOS

## EXTREME VALUES

STATION	STATION NAME	YEARS
	ST. PETER'S CHURCH, ILL.	45-

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, N.C. STATION NAME 45-1 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
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90													
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92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

NO. DEPT.  
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, N.C. STATION NAME ASHEVILLE, N.C. YEARS 1951-1952

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
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29													
30													
31													
MEAN	TRACE	TRACE											
S. D.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL OBS.	100	100	100	100	100	100	100	100	100	100	100	100	100

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# EXTREME VALUES

WIND DEPTH  
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

DAILY WIND DEPTH IN INCHES  
BASED ON LESS THAN FULL MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													NO OPT BY
2													NO OPT AYS
3													NO OPT AYS
4													NO OPT AYS
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96													NO OPT AYS
97													NO OPT AYS
98													NO OPT AYS
99													NO OPT AYS
100													NO OPT AYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

CORP S CHRISTI, TEXAS

1946-1982

STATION

STATION NAME

YEARS

JANUARY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.41	10	1979			
2	0.44	11	1977			
3	0.44	11	1975			
4	0.45	11	1951			
5	0.48	12	1954			
6	0.47	12	1959			
7	0.12	4	1961			
8	0.23	6	1968			
9	0.21	5	1967	T	T	1967
10	0.17	5	1979			
11	0.50	13	1958	T	T	1973
12	1.13	29	1977			
13	1.15	29	1967	T	T	1980
14	0.37	9	1960			
15	0.89	23	1964			
16	0.19	5	1977			
17	0.26	7	1951	T	T	1981
18	1.01	26	1955			
19	1.00	25	1981			
20	0.23	6	1979			
21	0.95	24	1957			
22	1.43	41	1975			
23	1.57	41	1958			
24	0.41	10	1974			
25	0.52	13	1974*			
26	1.16	30	1974			
27	1.17	4	1981			
28	0.47	12	1946			
29	0.34	9	1979			
30	0.56	14	1972	T	T	1951*
31	0.59	15	1972	T	T	1951
Monthly	4.53	118	1958	T	T	1980*

FEBRUARY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.47	12	1977			
2	0.28	7	1949			
3	0.80	20	1975			
4	2.42	61	1965			
5	0.84	21	1961			
6	0.76	52	1957			
7	0.66	17	1978			
8	0.18	5	1972	T	T	1973
9	0.10	3	1980*	T	T	1973
10	0.55	14	1958			
11	0.93	24	1968			
12	0.63	16	1980	T	T	1980*
13	1.13	29	1969			
14	1.05	27	1969			
15	0.54	14	1974			
16	0.17	4	1965			
17	1.03	26	1955	T	T	1967
18	1.09	28	1967			
19	0.86	22	1982			
20	4.01	102	1958			
21	1.07	27	1958			
22	1.27	32	1958			
23	2.05	52	1948			
24	0.29	7	1959			
25	2.18	55	1982			
26	0.82	21	1949			
27	0.06	2	1967			
28	0.79	7	1967			
29	3.26	83	1972			
30						
31						
Monthly	4.01	102	1958	T	T	1980*

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## DAILY EXTREME AMOUNTS

CORPUS CHRISTI, TEXAS

1945-1992

STATION

STATION NAME

YEARS

MARCH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.10		1 1973*			
2	0.20		5 1969			
3	0.44		11 1977			
4	0.10		3 1968			
5	0.93		21 1948			
6	1.01		26 1970			
7	0.50		14 1947			
8	0.30		10 1966			
9	0.03		1 1968			
10	0.00		25 1970			
11	0.65		17 1981			
12	1.57		40 1946	T	T	1951
13	1.47		37 1974			
14	0.86		22 1962			
15	0.65		14 1979			
16	0.17		4 1973			
17	0.02		2 1957			
18	1.37		9 1947	T	T	1951
19	0.00		25 1945			
20	0.20		3 1957			
21	1.47		37 1979			
22	0.20		5 1976			
23	0.10		3 1969			
24	0.04		1 1977*			
25	1.35		34 1951			
26	1.30		34 1974			
27	0.11		3 1977			
28	0.1		3 1957			
29	0.30		9 1981			
30	0.00		1 1965			
31	0.33		59 1945			
Monthly	0.33		59 1945	T	T	1951*

APRIL

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.04		26 1949			
2	1.20		30 1960			
3	0.09		12 1971			
4	1.65		42 1971			
5	1.49		38 1976			
6	0.74		19 1973			
7	0.23		6 1976			
8	0.22		6 1959			
9	2.74		70 1954			
10	0.22		6 1979			
11	0.90		23 1974			
12	2.18		55 1969			
13	0.46		12 1976			
14	0.33		8 1954			
15	0.58		15 1954			
16	1.54		40 1977			
17	1.01		40 1975			
18	0.08		2 1966			
19	0.62		16 1965			
20	0.35		22 1945			
21	4.59		117 1970			
22	1.79		7 1952			
23	1.66		42 1956			
24	0.72		14 1953			
25	2.36		60 1966			
26	0.72		18 1960			
27	5.30		135 1972			
28	0.77		20 1957*			
29	1.59		40 1961			
30	2.75		70 1977			
31						
Monthly	5.30		135 1972			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

CORPUS CHRISTI, TEXAS

1945-1992

STATION

STATION NAME

YEARS

MAY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.04	26	1974			
2	1.20	30	1972			
3	1.20	32	1981			
4	1.01	74	1966			
5	1.88	48	1966			
6	1.75	19	1966			
7	1.88	149	1968			
8	1.45	28	1968			
9	1.65	118	1968			
10	1.11	51	1972			
11	1.80	73	1979			
12	1.70	20	1972			
13	1.80	48	1976			
14	1.57	22	1953			
15	1.00	26	1978			
16	1.20	31	1969			
17	1.10	25	1965			
18	1.11	18	1965			
19	1.50	66	1965			
20	1.40	12	1976			
21	1.04	37	1959			
22	1.10	29	1945			196
23	1.11	54	1947			
24	1.72	44	1971			
25	1.24	57	1981			
26	1.70	44	1976			
27	1.70	53	1957			
28	1.30	34	1952			
29	1.70	50	1966			
30	1.67	42	1946			
31	1.20	31	1978			
Monthly	1.86	158	1974			108

JUNE

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.48	38	1978			
2	3.24	82	1979			
3	1.03	128	1963			
4	2.62	67	1972			
5	2.57	65	1979			
6	0.37	9	1978			
7	6.45	164	1978			
8	2.88	73	1972			
9	1.61	41	1946			
10	1.70	43	1974			
11	0.58	15	1972			
12	5.00	127	1945			
13	1.11	33	1973			
14	1.21	31	1974			
15	0.12	3	1972			
16	1.35	34	1947			
17	3.00	75	1963			
18	2.10	53	1961			
19	0.34	21	1947			
20	1.27	32	1976			
21	1.20	30	1968			
22	1.15	29	1966			
23	2.62	67	1968			
24	3.67	93	1959			
25	2.11	54	1954			
26	1.09	28	1968			
27	0.75	6	1971			
28	0.04	1	1952			
29	0.34	21	1948			
30	1.12	28	1950			
31						
Monthly	6.45	164	1978			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

STATION 5 CHRISTI, TEXAS

1947-1992

STATION

STATION NAME

YEARS

JULY

MONTH

AUGUST

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.87	22	1948			
2	0.69	18	1987			
3	0.33	8	1953			
4	0.35	9	1975			
5	1.61	41	1972			
6	0.59	22	1981			
7	0.51	21	1952			
8	0.73	69	1974			
9	0.34	59	1975			
10	1.15	29	1971			
11	1.41	36	1965			
12	0.12	54	1978			
13	0.52	23	1976			
14	0.56	75	1976			
15	0.53	24	1977			
16	1.43	36	1949			
17	0.44	11	1967			
18	1.04	26	1952			
19	2.43	62	1944			
20	0.55	22	1945			
21	0.64	11	1972			
22	0.71	18	1988			
23	0.15	3	1946			
24	0.37	2	1949			
25	1.62	41	1959			
26	4.77	120	1979			
27	4.02	104	1979			
28	0.05	2	1962			
29	0.17	4	1951			
30	0.35	10	1978			
31	0.47	53	1977			
Monthly	4.77	120	1979			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.77	45	1947			
2	0.83	22	1973			
3	2.72	69	1970			
4	2.49	63	1960			
5	2.13	54	1971			
6	1.23	41	1965			
7	0.59	18	1974			
8	0.37	9	1970			
9	2.50	64	1980			
10	0.35	136	1980			
11	1.23	32	1967			
12	1.23	31	1967			
13	1.45	37	1960			
14	0.37	9	1960			
15	0.75	19	1970			
16	0.34	9	1980			
17	0.56	22	1951			
18	1.21	31	1957			
19	1.72	34	1967			
20	2.19	55	1957			
21	1.22	31	1957			
22	0.63	74	1967			
23	0.61	23	1967			
24	2.76	69	1959			
25	1.70	43	1959			
26	5.13	130	1945			
27	2.00	51	1945			
28	3.22	82	1953			
29	2.47	53	1940			
30	2.00	51	1953			
31	1.79	28	1977			
Monthly	5.13	136	1945			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

CORPUS CHRISTI, TEXAS

1945-1992

STATION

STATION NAME

YEARS

SEPTEMBER  
MONTH

OCTOBER  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.1	28	1977			
2	1.03	26	1977			
3	1.1	28	1967			
4	1.77	45	1967			
5	1.0	25	1967			
6	1.23	31	1955			
7	1.34	34	1978			
8	1.45	37	1977			
9	1.34	34	1948			
10	1.23	31	1948			
11	1.1	28	1978			
12	1.0	25	1974			
13	1.1	28	1951			
14	1.0	25	1951			
15	1.23	31	1971			
16	1.0	25	1982			
17	1.70	43	1950			
18	1.34	34	1971			
19	1.0	25	1979			
20	1.0	25	1967			
21	1.0	25	1967			
22	1.0	25	1967			
23	1.0	25	1978			
24	1.0	25	1972			
25	1.0	25	1964			
26	1.0	25	1970			
27	1.0	25	1973			
28	1.0	25	1946			
29	1.0	25	1946			
30	1.0	25	1954			
31						
Monthly	1.23	31	1975			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.77	45	1956			
2	1.0	25	1955			
3	2.45	62	1949			
4	2.77	70	1956			
5	2.43	62	1971			
6	2.78	70	1975			
7	1.00	25	1981			
8	1.0	25	1971			
9	1.0	25	1977			
10	1.67	42	1955			
11	2.37	60	1973			
12	2.51	64	1973			
13	1.69	43	1973			
14	1.0	25	1948			
15	2.37	60	1967			
16	4.25	108	1960			
17	1.79	45	1967			
18	1.0	25	1981			
19	1.0	25	1969			
20	1.20	30	1970			
21	1.0	25	1967			
22	2.00	51	1978			
23	2.76	70	1953			
24	2.52	64	1976			
25	1.58	40	1975			
26	2.74	70	1953			
27	2.58	65	1976			
28	1.0	25	1946			
29	1.0	25	1955			
30	1.0	25	1979			
31	1.44	37	1981			
Monthly	1.44	37	1981			

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

CORPUS CHRISTI, TEXAS

1946-1962

STATION

STATION NAME

YEARS

NOVEMBER  
MONTH

DECEMBER  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.84	47	1977			
2	1.60	25	1977			
3	1.62	41	1972			
4	1.74	19	1965			
5	1.71	18	1978			
6	1.17	30	1962			
7	1.57	14	1962*			
8	1.73	34	1965			
9	1.15	4	1982			
10	1.61	41	1957			
11	1.73	198	1957			
12	1.24	6	1958			
13	1.11	54	1961			
14	1.13	3	1948			
15	1.00	2	1948			
16	1.19	30	1960			
17	1.41	36	1947			
18	1.46	37	1953			
19	1.63	16	1976			
20	1.65	17	1951			
21	1.83	33	1977			
22	1.14	29	1947	T	T	1970
23	1.14	30	1960			
24	1.75	44	1974			
25	1.02	77	1980			
26	1.33	59	1969			
27	1.48	22	1963			
28	1.88	43	1972	T	T	1975
29	1.22	6	1969	T	T	1971
30	1.04	26	1955			
31						
Monthly	1.75	198	1957	T	T	1975

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.79	17	1953			
2	1.61	41	1945			
3	0.37	9	1965			
4	0.29	7	1978			
5	0.08	25	1971			
6	0.46	24	1971			
7	2.31	59	1960			
8	1.48	39	1964			
9	0.92	23	1964			
10	0.12	21	1982			
11	0.33	8	1973			
12	0.63	16	1976			
13	0.31	8	1970			
14	0.80	20	1947			
15	0.79	20	1965			
16	0.29	7	1971			
17	0.72	18	1965			
18	0.57	14	1965			
19	0.10	3	1976			
20	1.75	45	1958			
21	0.09	2	1968	T	T	1976
22	0.10	3	1976			
23	2.16	55	1962			
24	0.69	18	1975			
25	0.57	14	1958			
26	1.31	33	1970			
27	0.25	6	1953			
28	1.29	33	1960			
29	0.84	21	1960			
30	1.00	25	1953			
31	0.57	14	1959			
Monthly	2.31	59	1960	T	T	1976

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

WINDS (SFC)

NOCD, Federal Building  
Asheville, N. C.

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

3 REFERENCE WIND  
(FROM DAILY OBSERVATIONS)

STATION CORP S CHRISTI, T. LA. STATION NAME 45- YEARS

DAILY PEAK GUSTS IN KNOTS (MPH 1949-1955)

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4			+3	45NN	42SE	39NE	33N	35NN	40N	41N	40NN		
4	40N	50N	48	42NN	61NE	51N	42NE	34N	30N	48	41	40	
4	40N	50N	41	50N	58E	41SE	32NE	4N	42N	41NN	56NN		5
4	47NN	46NN	49	49	49	30	34NN	37N	33	41	48N	48	
4	47NN	38	43	43	43	43	43	43	43	43	43	43	5
4	43SE	36NN	46NN	42NN	52	33	35SE	30E	42NE	34NN	47N	50	5
4	40NN	43NN	47SE	49SE	49SE	44SE	44SE	44N	36N	39			6
4	40NN	46NN	47N	58E	43SE	43SE	47SE	35N	51NN	47N	58NN	41	6
4	40N	44N	58SE	55N	61NE	39S	32NN	40N	44N	47N	42NE	48	6
4	40N	44NN	44	44	44	44	44	44	44	44	44	44	
4	40NN	52NE	59SE	41SE	43N	46	32SE	32NE	47	47	47N	5	
4	40NN	41N	52SE	43N	44SE	30SE	32SE	34NE	26NN	34NE	43N	39	5
4	40NN	40N	49NN	51N	71N	48SE	31	31	31	31	31	31	47
4	40NN	47NN	34	37SE	33N	34SE	35SE	31NN	44E	41N	37N	35	47
4	40NN	30N	43NN	32N	45SE	46SE	31E	35E	35SE	37N	45E	45	47
4	40NN	53SE	43NN	44NN	53NE	44SE	31SE	32N	44N	45N	48N	36	47
4	42N	47SE	47S	60SE	40SE	37S	38N	28NN	72N	33NN	46NN	30	47
4	40N	38NE	38NN	36SE	38SE	46S	37SE	30E	32N	30NN	32NN	32	47
4	40NN	35NN	31SE	37SE	28SE	30SE	30SE	27E	25SE	37S	38S	32	47
4	40N	41NN	42N	36N	39SE	31SE	28SE	32NE	31N	36N	36N	37	47
4	40NN	46N	39E	46SE	37SE	30SE	29	30SE	33S	31NN	41		
4	40NN	38N	36NE	45NN	45SE	32SE	24S	30NN	32NN	37N	35NN	34	47
4	40NN	44N	31E	34N	51NE	43SE	31SE	31E	60N	40NN	37N	32	47
4	40NN	36NN	47SE	35N	47NE	36E	31E	36N	42NN	33NN	43N	37	47
4	40NN	35	36NE	39SE	43SE	33SE	31SE	29NN	24SE	32N	41NN	40	47
4	40NN	37NN	40NN	40N	39NN	36SE	26NN	10NN	38N	37NN	36NN	33	47
4	3635	3433	431	3417	3917	33.5	3715	3327	54.3	2932	4114	43	27
4	3633	4634	4112	5425	51.4	2614	361	2733	31.3	3133	2933	31	12
4	3631	4631	4414	4933	4728	4713	3112	3531	432	434	3732	45	14
4	35	3414	27	35	3935	2609	2715	2914	3135	3733	4015	31	
MEAN													
S. D.													
TOTAL OBS.													

SMOS

## EXTREME VALUES

STATION

COMPLE CHRISTI, TEXAS  
STATION NAME

45-

YEARS

DAILY PEAK GUSTS IN KNOTS (NPH 1949-1955)

[illegible]

SMOS



## EXTREME VALUES

STATION	STATION NAME
	COOPERS CHRISTI, TEAL

4-2

YEARS

DAILY PEAK GUSTS IN KNOTS (MPH 1949-1955)  
BASED ON LESS THAN 90 OBSERVATIONS FOR MONTH

[illegible]

## SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME NAVAL WEATHER SERVICE DETACHMENT YEARS 1950-1951 MONTH JAN  
CLASS ALL HOURS (L S T) 0000  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	5.0	4.0	1.0	1.0						17.0	1.0
NNE	1.0	1.0	2.0	5.0	6.0							11.0	1.0
NE	1.0	1.0	1.0	1.0								5.0	7.0
ENE	1.0	1.0	1.0	1.0								5.0	7.0
E	1.0	1.0	1.0	1.0								5.0	7.0
ESE	1.0	1.0	1.0	1.0								5.0	7.0
SE	1.0	1.0	2.0	1.0								5.0	7.0
SSE	1.0	2.0	1.0	3.0	1.0							10.0	7.0
S	1.0	2.0	1.0	1.0		1.0						10.0	7.0
SSW		1.0	1.0									5.0	7.0
SW	1.0											5.0	7.0
WSW	1.0											5.0	7.0
W	1.0	1.0		1.0								5.0	7.0
WNW	1.0	1.0	1.0									5.0	7.0
NW	1.0	1.0	1.0	1.0	1.0							5.0	7.0
NNW	1.0	1.0	2.0	2.0	6.0							10.0	7.0
VARBL												11.0	
CALM												11.0	
	1.0	1.0	2.0	2.0	7.0	1.0						10.0	7.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1. STATION 1010 S CHRISTY, TEXAS STATION NAME 73-12 YEARS JAN MONTH 12  
CLASS ALL WEATHER HOURS (LST) 12  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.3	4.7	5.3	1.6	.7						10.1	10.7
NNE	.7	2.7	2.9	4.6	.6							11.5	7.5
NE	.7	1.6	1.6	1.9								5.0	5.6
ENE	.7	1.7	.7	.3								2.7	6.6
E	.7		1.7									1.7	7.7
ESE	1.0		.7									1.7	4.7
SE	.7	1.6	1.6	.6								4.0	6.9
SSE	.7	3.3	3.7	2.3								9.7	7.7
S	.7	2.3	3.7	1.7	.7							17.0	7.0
SSW	1.7	1.0	1.7									3.7	5.4
SW	.7	1.6										2.7	7.9
WSW	.7		.7	.7								1.7	6.6
W	1.6	.7	1.7									2.7	5.1
WNW	.7	.7	1.0									1.7	5.1
NW	.7	.7	.7	1.7	.7							2.7	11.7
NNW	.7	.7	3.7	2.3	1.6	.7						6.7	11.7
VARBL													
CALM												11.7	
	12.0	22.7	26.5	21.7	4.4	1.9						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION COOPER CHRISTI, TEXAS STATION NAME COOPER CHRISTI, TEXAS YEARS 1955-56 JPL MONTH JAN  
CLASS ALL WEATHER OF 06  
CONDITION 06 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.7	0.1	0.7	1.0	0.7						3.0	10.0
NNE	1.0	0.0	0.0	0.0	0.0	0.0						10.0	0.0
NE	1.0	0.0	1.0	0.0	0.0							7.0	0.0
ENE			0.0	0.0								1.0	0.0
E	0.0	0.0	1.0									0.0	0.0
ESE	0.0	1.0	0.0									1.0	0.0
SE		1.0	1.0	0.0								3.0	0.0
SSE	1.0	1.0	0.0	1.0								0.0	0.0
S	0.0	0.0	0.0	1.0								0.0	0.0
SSW		0.0	1.0	0.0								0.0	0.0
SW	0.0	1.0	0.0									0.0	0.0
WSW	0.0	0.0	0.0									0.0	0.0
W	1.0	1.0										0.0	0.0
WNW	0.0	1.0	0.0		0.0							0.0	0.0
NW	1.0	0.0	1.0	0.0	0.0							0.0	0.0
NNW	0.0	1.0	1.0	0.0	0.0	0.0						0.0	0.0
VARBL													
CALM												10.0	
	1.0	21.0	0.0	25.0	0.0	0.0						10.0	0.0

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME CORPUS CHRISTI, TEXAS YEARS 73-74 MONTH JAN  
CLASS ALL WEATHER HOURS (LST) 24  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	4.6	8.7	.6							17.7	10.1
NNE	1.7	3.6	4.5	5.5	.7							14.6	6.7
NE	.7	2.7	1.7	.6								7.6	7.4
ENE	.7	1.6	.7	.7								1.7	4.4
E	.7	.7	1.6									2.6	5.5
ESE	.7		.7	.7								1.6	3.5
SE	.7	2.3	1.6	1.3								1.7	7.7
SSE	.7	1.6	2.7	1.6								6.7	8.5
S	1.7	.7	7.6	1.7								6.6	8.5
SSW	1.7	1.6	.7	.7								2.6	4.5
SW		.7	1.6									1.6	7.6
WSW		.7	.7									1.7	5.2
W	1.6		.7		.7							2.7	.7
WNW	.7	1.6		.7	.7	.7						2.6	.1
NW	.7	1.6	1.6	1.6								5.6	4.5
NNW	1.6	1.6	2.6	1.6	1.7							11.7	1.5
VARBL													
CALM												6.6	
	11.7	21.7	30.6	26.6	4.5	.7						17.6	.2

TOTAL NUMBER OF OBSERVATIONS 176

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION 000000000000 STATION NAME ALL WEATHER CLASS MONTH 17 HOURS 1757

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.0	0.0	1.1	1.3							10.0	4.4
NNE	1.0	2.0	3.0	2.0	0.7							11.0	5.5
NE		4.0	4.0	4.0								12.0	6.6
ENE		1.0	2.0	0.7								3.7	2.9
E			0.0									0.0	0.0
ESE				0.1								0.1	1.1
SE		0.1	2.0	2.0								4.1	11.1
SSE		0.1	2.0	4.0	1.0							7.1	12.2
S		0.0	3.0	7.0	0.7							10.7	11.4
SSW	0.1	0.0	0.0	0.0								0.1	7.0
SW	0.1	1.0	0.1									1.0	4.4
WSW													
W		0.0	0.1	0.3								0.4	5.7
WNW		0.1	1.0	1.3								2.4	10.7
NW	0.1	0.1	1.0	1.0	0.7	0.7						3.6	11.7
NNW	1.0	2.3	1.0	3.2	1.0	0.7						10.2	11.7
VARBL													
CALM												1.0	
	0.0	10.0	32.0	34.2	4.0	0.1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 1757

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1951-1952 MONTH 1  
CLASS CLAS HOURS (L S Y) 1  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.7	1.7	1.7							1.7	1.7
NNE	1.7	1.7	1.7	1.7	1.7							1.7	1.7
NE	1.7	1.7	1.7	1.7	1.7							1.7	1.7
ENE	1.7	1.7	1.7	1.7	1.7							1.7	1.7
E	1.7	1.7	1.7	1.7	1.7							1.7	1.7
ESE	1.7	1.7	1.7	1.7	1.7							1.7	1.7
SE	1.7	1.7	1.7	1.7	1.7							1.7	1.7
SSE	1.7	1.7	1.7	1.7	1.7							1.7	1.7
S	1.7	1.7	1.7	1.7	1.7							1.7	1.7
SSW	1.7	1.7	1.7	1.7	1.7							1.7	1.7
SW	1.7	1.7	1.7	1.7	1.7							1.7	1.7
WSW	1.7	1.7	1.7	1.7	1.7							1.7	1.7
W	1.7	1.7	1.7	1.7	1.7							1.7	1.7
WNW	1.7	1.7	1.7	1.7	1.7							1.7	1.7
NW	1.7	1.7	1.7	1.7	1.7							1.7	1.7
NNW	1.7	1.7	1.7	1.7	1.7							1.7	1.7
VARBL	1.7	1.7	1.7	1.7	1.7							1.7	1.7
CALM	1.7	1.7	1.7	1.7	1.7							1.7	1.7
	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME COAST GUARD STATION, TEXAS YEARS 1971-1972 MONTH 01  
CLASS ALL WEATHER HOURS 11  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	2.0	1.0	.0						1.0	1.0
NNE	1.0	1.0	1.0	2.0	.0							1.0	1.0
NE		1.0	1.0	1.0								1.0	1.0
ENE	1.0	1.0	1.0	1.0								1.0	1.0
E	.0	.0	.0	1.0								1.0	1.0
ESE	.0	.0	2.0	1.0								1.0	1.0
SE	.0	1.0	2.0	1.0	.0							1.0	1.0
SSE		1.0	1.0	1.0	.0							1.0	1.0
S	.0	2.0	2.0	1.0	.0							1.0	1.0
SSW													
SW													
WSW		.0											
W	.0	1.0	.0									1.0	1.0
WNW	.0		1.0									1.0	1.0
NW	.0	.0		1.0	.0	.0						1.0	1.0
NNW	.0	.0	.0	2.0	1.0	.0						1.0	1.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	.0	1.0						1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 11

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
CLASS \_\_\_\_\_  
CONDITION \_\_\_\_\_  
HOURS \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
NNE	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
NE	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
ENE	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
E	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
ESE	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
SE	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
SSE	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
S	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
SSW	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
SW	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
WSW	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
W	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
WNW	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
NW	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
NNW	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
VARBL	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
CALM	.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
	1.	1.	2.	2.	3.	3.	4.	4.	5.	5.	6.	6.	7.

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION NAME CLASS YEAR MONTH

ALL-STATE

CONDITION

ALL

HOURE (L.S.Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
NNE	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
NE	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
ENE	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
E	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
ESE	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
SE	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
SSE	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
S	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
SSW	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
SW	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
WSW	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
W	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
WNW	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
NW	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
NNW	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
VARBL													
CALM													
	1.0	1.0	2.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0

TOTAL NUMBER OF OBSERVATIONS 247

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, NC STATION NAME ALBANY WEATHER YEARS 1951-1952 MONTH 1  
CLASS 1 HOURS (LAST) 1  
CONDITION 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1	.1	.1	.1						.1	11.2
NNE	.1	.1	.1	.1	.1							.1	11.2
NE	.1	.1	.1	.1	.1	.1						.1	11.2
ENE	.1	.1	.1	.1	.1							.1	11.2
E	.1	.1	.1	.1	.1							.1	11.2
ESE	.1	.1	.1	.1	.1							.1	11.2
SE	.1	.1	.1	.1	.1							.1	11.2
SSE	.1	.1	.1	.1	.1	.1						.1	11.2
S	.1	.1	.1	.1	.1	.1	.1					.1	11.2
SSW	.1	.1	.1	.1	.1							.1	11.2
SW	.1	.1	.1	.1	.1							.1	11.2
WSW	.1	.1	.1	.1	.1							.1	11.2
W	.1	.1	.1	.1	.1							.1	11.2
WNW	.1	.1	.1	.1	.1							.1	11.2
NW	.1	.1	.1	.1	.1	.1						.1	11.2
NNW	.1	.1	.1	.1	.1	.1						.1	11.2
VARBL													
CALM													
	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	11.2	11.2

TOTAL NUMBER OF OBSERVATIONS 112

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION NAME: ALUMINUM CREST, TEXAS YEARS: 27-28 MONTH: FEB  
CLASS: ALL WEATHER  
CONDITION:   
HOURS (LST): 07

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.6	5.3	5.4	.7	.4						10.7	10.4
NNE	1.1	2.6	2.7	2.8	.7	.4						11.7	6.6
NE	.4	.7	1.6	1.6								4.7	6.3
ENE	1.1	2.1	1.1	1.1								6.7	7.8
E	.4	1.6	.4	.7	.4							3.4	6.7
ESE	.4	.7	.4	.4								1.4	6.4
SE	.4	2.6	2.6	2.6								11.7	7.5
SSE	1.4	2.6	2.6	2.1	.4							7.4	7.8
S	2.6	2.6	2.6	2.6	.7							11.7	7.8
SSW		1.1	.7									1.4	6.2
SW	.7	.7										1.4	4.3
WSW	.4	.4	.7	.4								1.4	6.4
W	.4	1.6	.7									2.4	5.2
WNW						.7						.7	2.6
NW		.7		.4								.7	4.2
NNW	.4	1.6	.7	2.6	.4							6.4	11.6
VARBL													
CALM													
	11.7	27.6	24.7	20.7	.2	1.4						100.7	7.8

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17 STATION NAME CAMP CHRISTI, TENN. YEARS 73-74 MONTH 7  
CLASS ALL WEATHER HOURS (LST) 7  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0	.0	.0	.0						1.0	1.0
NNE	.0	.0	.0	.0	.0	.0						1.0	1.0
NE	.0	1.0	.0	.0	.0							1.0	1.0
ENE	.0	.0	.0	.0								1.0	1.0
E		1.0	1.0	.0								1.0	1.0
ESE	1.0	2.0	1.0	.0								1.0	1.0
SE	.0	1.0	.0	2.0								1.0	1.0
SSE	.0	2.0	3.0	1.0								1.0	1.0
S	1.0	2.0	3.0	1.0								1.0	1.0
SSW	.0	1.0		.0								1.0	1.0
SW	1.0	1.0	1.0									1.0	1.0
WSW	.0	.0	.0									1.0	1.0
W	.0	1.0										1.0	1.0
WNW	.0	.0			.0							1.0	1.0
NW		.0	.0	.0	.0							1.0	1.0
NNW	1.0	1.0	.0	1.0	.0	.0						1.0	1.0
VARBL													
CALM												1.0	
	1.0	2.0	2.0	1.0	.0	1.0						1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 22

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION COLE S CHRISTI, TEXAS STATION NAME COLE S CHRISTI, TEXAS YEARS 1961-1962 MONTH ALL  
CLASS ALL WEATHER  
CONDITION ALL  
HOURS (LST) 24

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		0.1	5.7	8.4	1.4	0.0						15.6	11.7
NNE	0.4	0.0	3.0	4.3								12.1	7.0
NE		0.1	2.0	2.0		0.0						7.0	10.1
ENE		1.0	7.0	0.7								8.7	8.0
E		1.0		0.4								1.0	6.4
ESE		1.0	1.0	1.0								4.3	6.9
SE	0.0	1.0	4.0	0.0								5.0	6.6
SSE	0.0	1.0	0.0	2.0								3.0	6.0
S		0.0	3.0	2.1	0.4							5.7	10.0
SSW	0.0	0.0	0.0	1.0								1.0	6.8
SW	0.0	0.0	1.0									1.0	6.6
WSW		0.1										1.1	7.0
W	0.0	0.0	0.0	0.0								0.0	7.0
WNW	1.1		1.1		1.1							3.3	6.8
NW	0.0		1.1	1.1		0.0						2.2	11.9
NNW	0.0	0.0	1.1	2.0	1.1							4.2	10.1
VARBL													
CALM												4.3	
	4.3	10.1	30.0	31.2	7.9	1.0						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 142

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11 STATION 11-11-11 STATION NAME 11-11-11 YEARS 11-11-11 MONTH 11-11-11  
CLASS 11-11-11  
CONDITION 11-11-11

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	7.7	4.7	4.7	1.1							16.7	10.0
NNE		2.1	2.1	3.2	.7	.4						9.7	10.0
NE	.7	2.1	4.7	1.4								8.7	8.7
ENE	.7	2.1	2.1	1.4	.4							7.4	8.3
E		1.4	2.1									3.8	7.7
ESE		.7	1.4	2.1								4.7	11.0
SE			1.4	3.2	1.1							6.7	12.0
SSE			1.4	5.7	1.8							9.6	10.2
S		.7	2.1	.7	.4							10.6	11.5
SSW	.7	.7		.7								1.8	6.6
SW	.7	1.1	.7	.4								2.8	6.3
WSW				.4								.4	12.0
W	.7	.7		.4								1.1	7.7
WNW			.7		.7	.7						1.8	10.7
NW		1.1	1.1	.4	.4	.4						3.7	11.5
NNW	1.1	1.1	4.7	1.8	.7	.7						9.6	10.4
VARBL													
CALM												.4	
	4.3	17.0	31.0	37.6	7.1	1.1						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 212

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10000 CRIVENS CHRISTI, TEXAS STATION NAME 73-42 YEARS 1950  
 CLASS ALL WEATHER MONTH 15  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.1	1.0	5.0	.7							13.0	13.0
NNE	.7	1.0	2.0	2.1	.4	.0						7.0	8.0
NE	.0	2.1	3.0	.7								7.1	7.0
ENE	1.0	1.0	4.0	1.2	.7							11.3	.7
E	.0	2.1	3.0	1.1								7.1	.0
ESE		.4	3.0	4.3	1.4							9.0	11.0
SE		.7	1.0	1.6	1.2	.4						13.0	14.1
SSE		.7	1.0	2.3	1.1							8.9	12.0
S			1.0	2.0	1.0	.0						7.0	12.0
SSW	.0	.0	.0									1.1	4.7
SW													
WSW													
W	.0											.0	7.0
WNW		.0	.0		.7	.0						1.0	10.0
NW	.0	.0	.0	1.0								.0	10.0
NNW		1.0	2.1	2.0	.4	.4						7.1	11.0
VARBL													
CALM												1.1	
	.0	12.0	3.0	37.0	1.3	1.0						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 10

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION CORPUS CHRISTI, TEXAS 73-40 YEARS FEB NORTH  
ALL WEATHER CLASS 10 HOURS (LAST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	2.0	4.3	1.4							11.7	10.0
NNE	.7	1.0	2.0	1.1	.7	.4						6.7	10.4
NE	.7	1.0	1.0	1.0	1.0							5.0	9.1
ENE	.7	1.0	1.7	1.0	.4							7.4	8.8
E	1.0	4.0	5.0	1.0								12.0	7.1
ESE	.7	2.1	5.0	5.0								13.0	9.5
SE		3.0	.7	5.7	1.1							15.6	10.5
SSE	1.1	1.0	2.0	5.3	.7							11.7	10.2
S		.7	.7	3.2	1.1							6.0	13.2
SSW													
SW													
WSW													
W			.7									.4	8.0
WNW				.7								.7	10.5
NW		.7	1.1	1.1	.4	.4						3.2	12.6
NNW	.4	.4	1.0	1.0		.4						3.0	10.8
VARBL													
CALM												2.1	
	5.7	10.0	33.7	37.7	5.7	1.1						100.7	9.5

TOTAL NUMBER OF OBSERVATIONS 792

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 COAST GUARD, TEXAS STATION NAME 27-1 YEARS 1960 MONTH 21  
CLASS ALL WEATHER  
CONDITION   
HOURS (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.1	5.0	4.0	1.1							11.7	12.7
NNE	.0	.0	7.0	2.0	.0							7.0	2.5
NE	.0	1.1	1.0	1.1	.4							3.6	1.4
ENE	1.1	2.0	1.0	2.0	.4							6.5	1.7
E	.0	3.0	1.0		.4							4.4	1.2
ESE	1.1	2.0	4.0	0.1	.4							11.0	1.2
SE	1.1	2.0	7.0	0.0								17.0	2.4
SSE	1.0	7.0	7.0	4.7								13.1	2.3
S	1.1	1.1	2.0	2.0	.4	.4						6.0	12.0
SSW													
SW													
WSW													
W	.0		.0									.7	0.0
WNW		.0		.0								.7	1.0
NW	.0			.4		.4						1.1	14.7
NNW		.0	1.0	1.1	.4		.4					3.0	10.1
VARBL													
CALM												.0	
	.0	2.0	32.7	24.2	4.6	.7	.4					10.0	1.7

TOTAL NUMBER OF OBSERVATIONS 202

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1. STATION 10 PDS CHRISTI, TEXAS 72-12 YEARS MONTH FEB  
STATION NAME CLASS ALL WEATHER HOURS (L E T) ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	2.3	4.3	6.1	1.5	.						14.4	11.1
NNE	.	2.2	1.1	2.7	.5	.						2.4	6.7
NE	.	1.1	2.3	1.7	.1	.						6.7	8.4
ENE	.	1.7	2.3	1.6	.3							6.6	6.4
E	.	2.3	1.7	.6	.1							1.3	7.8
ESE	.	1.7	2.7	2.6	.3							6.6	9.1
SE	1.1	2.2	4.1	4.5	.7	.						12.6	7.8
SSE	.	1.1	3.7	3.7	.6							10.7	9.7
S	.	1.7	2.7	3.5	.6	.1						8.7	10.1
SSW	.	.	.4	.3								1.1	6.4
SW	.4	.4	.1	.1								1.4	6.6
WSW	.1	.7	.1	.1								.4	6.9
W	.	.7	.7	.1								1.2	1.6
WNW	.	.7	.7	.1	.4	.						1.4	12.7
NW	.1	.4	.6	.7	.1	.						2.3	12.1
NNW	.1	1.1	1.6	2.7	.5	.	.2					5.7	10.9
VARBL													
CALM												4.1	
	7.2	10.4	31.7	25.6	1.5	1.1	.2					100.7	7.2

TOTAL NUMBER OF OBSERVATIONS 7257

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME ST. CHRISTI, TEXAS YEARS 1950-51 MONTH MAY  
CLASS ALL WEATHER  
CONDITION NO  
HOURS (L S T) 00

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	1.7	2.3	1.7							5.1	11.0
NNE	.7	1.7	1.7	3.2	.7							7.7	1.7
NE	.7	.7	1.7	1.3								4.7	5.1
ENE	1.7	1.7	1.7	.6								4.7	6.7
E	1.7	2.3	4.6	1.7								7.7	7.7
ESE	1.7	1.7	3.2	2.9								9.6	6.6
SE	1.7	2.3	4.6	4.2	1.7							13.6	1.6
SSE	1.7	1.7	2.3	5.6	.6							15.4	6.7
S	1.7	3.2	6.7	3.9		.7						14.5	.9
SSW	1.7	.7	.7	.3								2.7	5.7
SW	.7		.7									.7	6.5
WSW	.7	.7										.7	3.6
W	.7	.7										.7	5.7
WNW		.7										.7	4.7
NW		.7		.3								1.7	7.3
NNW	.7		.7	1.6	.3	.7						2.7	17.6
VARBL													
CALM												4.6	
	10.6	18.7	43.6	24.1	6.2	.7						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 111

SMOS

4

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION COAST GUARD STATION, TEXAS STATION NAME TEXAS YEARS 1961-1962 MONTH ALL  
CLASS ALL WEATHER  
CONDITION ALL  
HOURS 1657

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	1.0	2.0	1.0	.7						7.7	11.7
NNE	.2	.6	.7	2.0	.7							4.7	1.7
NE	.2	.6	3.0	2.0								7.1	7.8
ENE	.2	1.0	1.0	.6								4.5	4.8
E	1.0	1.0	2.0	.7								5.7	6.6
ESE	1.0	2.0	3.0	1.7								6.4	7.9
SE	.2	1.0	5.0	2.3	1.0							12.8	8.3
SSE	2.7	4.0	5.0	4.2	.7							16.0	8.7
S	1.0	2.0	7.1	3.9	.7							14.0	9.1
SSW	.2	1.0	.7	.7								3.7	3.1
SW	.2	.7	.7									1.7	6.0
WSW		.7	1.0									1.7	3.3
W		.7	.7									1.7	.9
WNW													
NW		.7	.7				.7					1.7	14.7
NNW		.7	1.0	.7	1.0	.7						3.7	1.7
VARBL													
CALM												6.0	
	.7	1.0	17.4	21.7	8.7	.7	.7					10.7	.7

TOTAL NUMBER OF OBSERVATIONS 1657

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME ASHEVILLE, TENN YEARS 1951-1952 MONTH 1

CLASS PL

CONDITION

HOURS (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1951-1952 MONTH 1951  
CLASS CLAS  
CONDITION CLAS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	.	2.	.	.	.	.	.	.	.	.	1.1
NNE	.	1.	.	2.	.	.	.	.	.	.	.	.	1.1
NE	.	1.	.	2.	.	.	.	.	.	.	.	.	1.1
ENE	.	1.	1.	2.	.	.	.	.	.	.	.	.	1.1
E	.	1.	.	2.	.	.	.	.	.	.	.	.	1.1
ESE	.	1.	1.	2.	.	.	.	.	.	.	.	.	1.1
SE	.	1.	1.	2.	.	.	.	.	.	.	.	.	1.1
SSE	.	1.	1.	2.	.	.	.	.	.	.	.	.	1.1
S	.	1.	1.	2.	.	.	.	.	.	.	.	.	1.1
SSW	.	1.	1.	2.	.	.	.	.	.	.	.	.	1.1
SW	.	1.	1.	2.	.	.	.	.	.	.	.	.	1.1
WSW	.	1.	1.	2.	.	.	.	.	.	.	.	.	1.1
W	.	1.	1.	2.	.	.	.	.	.	.	.	.	1.1
WNW	.	1.	1.	2.	.	.	.	.	.	.	.	.	1.1
NW	.	1.	1.	2.	.	.	.	.	.	.	.	.	1.1
NNW	.	1.	1.	2.	.	.	.	.	.	.	.	.	1.1
VARBL	.	1.	1.	2.	.	.	.	.	.	.	.	.	1.1
CALM	.	1.	1.	2.	.	.	.	.	.	.	.	.	1.1

TOTAL NUMBER OF OBSERVATIONS 1000

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1961-1962 MONTH 1

CLASS ALL

CONDITION

HOURS (LST) 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.0	.0	1.0	.0	.0						.2	.0
NNE	.0	.0	.0	1.0	.0							.0	.0
NE	.0	.0	.0	.0	.0							.0	.0
ENE	.0	1.0	.0	.0	.0							.0	.0
E	.0	.0	.0	.0	.0							.0	.0
ESE		.0	.0	.0	1.0	.0						.0	1.0
SE		1.0	.0	.0	1.0							.0	1.0
SSE		.0	.0	.0	.0	.0						.0	1.0
S	.0	1.0	.0	.0	.0							.0	1.0
SSW		.0	.0	.0								.0	.0
SW													
WSW													
W		.0		.0								.0	.0
WNW				.0								.0	1.0
NW			.0	1.0	.0							.0	1.0
NNW	.0	1.0	.0	1.0	.0							.0	1.0
VARBL													
CALM												.0	
	.0	1.0	1.0	1.0	1.0	1.0						100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 10

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, TN STATION NAME ASHEVILLE YEARS 1950-51 MONTH 1  
CLASS ALL WEATHER  
CONDITION   
HOURS (L S T) 15

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1	1	1	1							7	1
NNE	1		1	1								4	1
NE		1	1	2	1							6	1
ENE		1	1	2	1							6	1
E		1	1	2	1							6	1
ESE		1	1	2	1	1						6	1
SE			1	1	1	1						5	1
SSE		1	1	1	1	1						5	1
S			1	1	1	1						5	1
SSW													
SW													
WSW													
W					1							1	1
WNW			1	1	1							3	1
NW		1	1	1	1							4	1
NNW	1	1	1	1		1						5	1
VARBL													
CALM												1	1
	1	1	1	1	1	1						5	1

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME ASHEVILLE, TN YEARS 1951-52 MONTH 1  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	2.0	.3							2.0	.0
NNE	.0	.0	1.0	1.0								2.0	.0
NE	.0	.0		1.0								1.0	.0
ENE		1.0	4.0	1.0								7.0	2.0
E		1.0	3.0	1.0	.3							17.0	7.0
ESE		.0	3.0	6.0	.0							13.0	11.0
SE		1.0	7.0	12.0	1.3	.3						18.0	12.3
SSE		1.0	4.0	11.0	1.0							17.0	11.0
S		1.0	1.0	3.0	1.0							6.0	11.7
SSW													
SW													
WSW													
W				.0								.0	1.0
WNW			.0	.0								1.3	1.0
NW		1.0	.0	.0								2.3	7.0
NNW		1.0	1.0	.0	.0							3.0	.0
VARBL													
CALM												.0	
	1.0	1.0	31.0	44.0	4.3	.3						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		51
	CLASS		HOURS (L & T)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	1.7	2.7	1.7							6.	11.
NNE		•	1.7	2.7	•.6							1.7	11.8
NE		•	•	•.7	•.7							2.7	•.7
ENE	•	1.	2.7	1.7								1.	•.2
E	1.7	2.	5.	2.6								15.7	•.7
ESE	•	4.	7.1	•.7								15.7	•.7
SE	•	1.7	7.1	•	•.6							17.7	1.1
SSE	1.7	•.7	•.	4.1	•.6							17.7	2.6
S	1.7	•	1.9	4.5	1.7							9.4	18.7
SSW	•	•.7	•.7									1.	•.2
SW	•											•	1.
WSW													
W	•	•										•	1.
WNW													
NW	•	•.7			•.7	•						1.7	12.7
NNW	•.6	•.7		•.7	•.7							1.7	2.7
VARBL													
CALM												•	
	1.7	17.1	35.5	21.7	•.2	•.7						1.9.	2.7

TOTAL NUMBER OF OBSERVATIONS 21

**SMOS**

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1951-1952 MONTH ALL  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	2.7	2.4	1.2	.1						1.1	10.7
NNE	.7	1.1	1.5	2.3	.3	.7						5.6	9.7
NE	.7	1.0	1.7	1.9	.1							4.4	7.4
ENE	.7	1.2	2.3	1.7	.2							5.1	6.2
E	.7	1.3	5.0	2.9	.1							10.0	8.7
ESE	.7	2.1	4.1	3.5	.4	.1						10.0	9.5
SE	.7	2.0	4.7	7.6	1.1	.1						13.4	11.8
SSE	.7	2.1	5.0	6.7	1.1	.7						16.7	10.5
S	.7	1.7	3.0	3.9	.8	.1						10.0	10.2
SSW	.7	.4	.7	.2								1.0	6.1
SW	.7	.7	.7									.7	4.3
WSW	.7	.4	.7	.7								.7	7.6
W	.7	.4	.7	.1	.7							.7	4.3
WNW	.7	.7	.4	.7	.7							.7	7.6
NW	.7	.7	.7	.5	.2	.1	.7					3.1	11.8
NNW	.7	.7	1.0	1.7	.5	.7						4.0	11.1
VARBL													
CALM													
	.7	17.0	33.1	33.3	1.0	1.7	.7					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 24

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION NAME CLASS MONTH HOURS (L.S.T.)

STATION NAME CLASS MONTH HOURS (L.S.T.)

STATION NAME CLASS MONTH HOURS (L.S.T.)

STATION NAME CLASS MONTH HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	.7	1.7	.7							3.7	10.4
NNE		1.7	2.7	1.7								4.7	7.6
NE		1.7	.7	1.7								3.7	9.0
ENE		.7	2.7	1.7								3.7	6.6
E	1.7	2.7	2.7	2.7	.7							9.7	7.0
ESE	1.7	3.7	4.7	3.7	.7							12.7	6.9
SE	1.7	2.7	4.7	12.7	1.7							20.7	10.4
SSE	.7	.7	.7	7.7	.7		.7					19.7	10.3
S	1.7	2.7	.7	7.7	.7							14.7	9.7
SSW	.7			1.7								1.7	3.6
SW		.7										.7	2.7
WSW	.7	.7										.7	4.5
W													
WNW						.7						.7	20.7
NW	.7		.7	.7		.7						1.7	11.6
NNW		.7	.7	.7	.7							3.7	17.7
VARBL													
CALM												3.7	
	.7	17.7	31.7	34.3	.3	.7	.3					120.7	9.4

TOTAL NUMBER OF OBSERVATIONS 120

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1. 2. 3. CHRISTY, TEXAS STATION NAME 72-7 YEARS APR  
MONTH APR  
CLASS ALL WEATHER  
CONDITION   
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.7	1.7								4.2	4.0
NNE		.7	1.7	1.3	.3							3.7	1.9
NE	.7	.3	2.	2.0								4.7	2.2
ENE		.7	1.	1.3								4.7	7.8
E	1.7	.7	2.7	1.7								6.7	7.6
ESE	.7	.3	1.7	2.7	.3	.7						10.7	5.9
SE	.7	1.7	7.7	9.0	.7							19.3	10.7
SSE	1.7	3.7	7.7	4.7	.7							16.7	8.7
S	1.0	3.7	4.	3.3	.3							11.7	7.2
SSW	1.7	.7	2.7	1.7								5.7	7.4
SW	.7	.3										.7	4.5
WSW		1.7										1.7	4.5
W	.7	.7										1.	4.7
WNW													
NW	.7	.7	.7			.7						2.7	7.8
NNW			1.	.7	.7							3.7	13.1
VARBL													
CALM												7.	
	.7	10.3	35.	27.3	7.7	.7						100.	.3

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1961-62 MONTH APR  
CLASS ALL WEATHER HOURS (L.S.T.) 24  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		7.7	2.7	1.7	.7						8.7	11.0
NNE		.7	2.7	.7								3.7	4.5
NE	.7	2.3	3.7	.7								6.7	7.5
ENE	.7	1.7	2.7	1.7								5.7	7.3
E	.7	2.7	2.3	2.7								7.7	8.1
ESE	1.7	.7	4.7	4.7								14.7	7.9
SE	1.7	3.7	5.7	6.7	.7							17.7	9.2
SSE	.7	.7	6.7	7.7								11.7	8.3
S	1.7	2.7	2.7	2.7								8.7	8.4
SSW	.7	1.7	1.7	.7								5.7	6.5
SW		.7	.7									1.7	6.3
WSW	1.7	.7										1.7	8.2
W		.7	.7									1.7	8.0
WNW	.7	.7			.7							1.7	8.3
NW		.7		.7								1.7	9.0
NNW	.7		1.7	1.7	.7							3.7	11.0
VARBL													
CALM												5.7	
	7.7	24.7	33.7	29.7	7.3	.7						170.7	8.1

TOTAL NUMBER OF OBSERVATIONS 170

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION NAME CLASS YEARS MONTH HOURS (LST)  
COAST GUARD, TEXAS ALL WEATHER CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	4.7	4.7	.7							12.7	1.4
NNE	1.7	.7	2.7	1.7	.3							6.7	1.3
NE		.7	2.7	2.7	.3							5.7	1.4
ENE		1.7	1.7	1.7								5.7	1.2
E	.7	.3	4.7	5.7	.7							10.7	1.3
ESE		1.7	2.7	2.7	1.7							12.7	11.7
SE	.7		1.7	1.7	.3							14.7	11.7
SSE		1.7	.7	4.7	1.7							14.7	11.0
S		.7	1.7	4.7	.3							9.7	1.7
SSW		.7	1.7	.3	.7							4.7	.7
SW													
WSW		.7										.7	4.7
W	.7	.7	.7									1.7	4.7
WNW		.7										.7	4.7
NW	.7		.7	.7	.7	.7						5.7	17.7
NNW			.7	1.7								2.7	11.7
VARBL													
CALM												1.7	
	1.7	12.7	33.7	44.7	1.3	.7						110.7	11.7

TOTAL NUMBER OF OBSERVATIONS

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME ASHEVILLE, TN YEARS 1971-1972 MONTH APR

CLASS REL. VELOCITY

CONDITION

HOURS (LST) 17

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	4.0	2.0								7.0	0.7
NNE		.0	.0	2.0								2.0	0.1
NE	.0	.0	3.0	1.0	.0							4.0	0.3
ENE	.0	.0	2.0	4.0	.0							7.0	0.7
E			.0	4.0	.0							4.0	0.4
ESE		1.0	2.0	5.0	1.0							15.0	1.3
SE		.0	.0	10.0	1.0	.0						17.0	1.4
SSE			.0	5.0	1.0	.0						11.0	0.9
S	.0	.0	3.0	4.0	1.0	.0						10.0	0.8
SSW		.0	.0	.0								1.0	0.0
SW		.0										.0	0.0
WSW													
W													
WNW				.0								.0	0.0
NW			.0	.0		.0						.0	0.0
NNW		.0	.0	1.0								2.0	0.1
VARBL													
CALM												.0	
	7.0	7.0	32.0	47.0	1.0	2.0						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 172

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, TEXAS STATION NAME ASHEVILLE YEARS 1950-1951 MONTH 1 HOURS (LST) 1

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.7	.7								4.7	4.7
NNE	.7	.7	1.7	1.7								4.7	4.7
NE		1.7	1.7	3.7	.7							4.7	4.7
ENE	.7		.7	3.7	.7							7.7	12.7
E	.7	1.7	4.7	6.7	.7							15.7	11.7
ESE			.7	12.7	1.7	1.7						1.7	14.7
SE	.7	.7	.7	.7	.7	.7						11.7	14.7
SSE		.7	.7	3.7	1.7	.7						11.7	14.7
S			1.7	4.7	1.7	.7						7.7	13.7
SSW		.7										.7	.7
SW													
WSW				.7								.7	11.7
W	.7											.7	11.7
WNW				.7								.7	11.7
NW			.7	1.7	.7	.7						2.7	11.7
NNW			.7	1.7								2.7	11.7
VARBL													
CALM												.7	
	.7	1.7	21.7	4.7	1.7	2.7						11.7	11.7

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME ASHEVILLE, TENN YEARS 1951-1952 MONTH 1  
CLASS ALL WEATHER HOURS (LST) 1  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.0	0.0	0.0							1.0	17.1
NNE	0.0	0.0	1.0	0.0	0.0							1.0	0.0
NE			1.0	0.0	0.0							1.0	1.0
ENE	0.0	0.0	0.0	1.0	0.0							1.0	1.0
E	0.0	1.0	0.0	0.0	0.0							1.0	1.0
ESE		0.0	0.0	1.0	0.0	0.0						1.0	1.0
SE		1.0	0.0	1.0	0.0	0.0						1.0	1.0
SSE	0.0		0.0	1.0	0.0	0.0						1.0	1.0
S		0.0	1.0	0.0	0.0							1.0	1.0
SSW													
SW													
WSW													
W													
WNW	0.0											0.0	0.0
NW		0.0	0.0	0.0	0.0							1.0	1.0
NNW			1.0	0.0	0.0							1.0	1.0
VARBL													
CALM												0.0	
	1.0	0.0	30.0	0.0	0.0	1.0						1.0	11.0

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1961 MONTH: 1  
CLASS: ALL WEATHER  
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	1.0								2.0	1.0
NNE				1.0								1.0	
NE				1.0								1.0	
ENE		1.0		1.0								2.0	1.1
E	1.0	1.0	1.0	1.0	1.0							5.0	1.5
ESE	1.0	1.0	1.0	1.0	1.0							5.0	1.5
SE		1.0	1.0	1.0	1.0		1.0					4.0	1.5
SSE		1.0	1.0	1.0	1.0							4.0	1.5
S			1.0	1.0								2.0	1.0
SSW				1.0								1.0	1.0
SW													
WSW													
W													
WNW													
NW													
NNW					1.0							1.0	1.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	1.0

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1971 MONTH 11

CLASS SEA

CONDITION SEA

HOURS 11 5 Y

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL													
CALM													
	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

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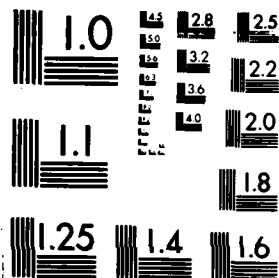
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMIS)  
(CORPUS CHRISTI TEXAS(U) NAVAL OCEANOGRAPHY COMMAND)  
DETACHMENT ASHEVILLE NC. NOV 83

24

UNCLASSIFIED

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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS 1963 A

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 400 STATION CORPUS CHRISTI, TEXAS 73-32 YEARS MAY MONTH 00 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	1.0	1.0	.6							4.0	10.2
NNE	.7	.7	1.0	1.0								2.0	8.8
NE	1.0		1.0	.6								2.0	7.5
ENE	.7	.3		1.0								1.6	6.6
E	1.7	1.6	3.9	1.6								8.4	7.6
ESE	.4	4.5	6.1	3.2	.3							14.0	8.4
SE	.7	2.0	8.7	10.0	.3							22.3	9.9
SSE	1.7	3.2	7.7	11.9	1.6	.6						26.1	10.3
S	.4	1.7	2.7	4.4								9.7	9.3
SSW			.7	.3								.6	11.0
SW	.7	.3		.3								1.0	6.7
WSW		.7	.3									.6	7.0
W	.7											.3	3.0
WNW													
NW		.3										.3	6.0
NNW				.7	.3							1.0	14.3
VARBL													
CALM												3.9	
	6.1	16.6	33.6	35.8	3.2	.6						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1192 STATION 00015 CHRISTI, TEXAS 73-02 YEARS MAY  
STATION NAME NORTH  
ALL WEATHER CLASS 03  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	1.7	1.3	.6							4.8	9.9
NNE			.3	1.9		.3						2.9	13.0
NE	.6	.6	1.7	.6								3.2	7.5
ENE	1.0	.3	.3	.6								2.3	6.7
E	.3	1.9	2.9	.6	.6							6.8	7.8
ESE	.3	2.3	4.9	2.9	.3							10.6	9.2
SE	1.6	2.6	8.4	3.2	.3							16.1	8.6
SSE	.3	3.9	10.3	8.7	1.0							23.5	10.1
S	1.7	2.3	6.5	3.9	.6							15.2	8.6
SSW	.6	.3	1.0	.3								2.3	6.4
SW	.6	.3										1.0	2.7
WSW	.3		.3									.6	5.6
W	1.6	.3										1.9	2.8
WNW	.3											.3	2.0
NW				.6								.6	12.5
NNW			.3	.6								1.0	11.7
VARBL													
CALM												6.8	
	10.3	15.4	37.7	25.5	3.5	.3						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1977 STATION 7006 S CHRISTI, TEXAS 73-02 YEARS MAY MONTH 31 DAY 04 HOUR (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	1.7	2.3	1.0	.7						6.3	11.0
NNE		.7	1.6	1.6								3.4	9.4
NE		.7	1.7	.6								3.0	8.6
ENE		.7	1.7	1.7								2.6	8.6
E	1.7	2.7	4.2	1.0								9.4	6.9
ESE	.7	1.7	4.2	.7								7.7	7.7
SE	1.7	3.5	5.7	4.8								17.0	6.7
SSE	1.7	2.7	5.4	5.5								18.1	8.5
S	1.7	2.7	6.5	2.3	.6							12.7	8.6
SSW	.7	.6	.7									1.3	5.8
SW		.7	.7									1.7	7.0
WSW		.7										.7	6.0
W	.7	.7	.7									1.3	4.4
WNW	.7	.7	.7									1.7	5.7
NW	.7	.6	.7									1.3	4.8
NNW	.7	.7	1.7	.7								2.3	6.0
VARBL													
CALM												8.1	
	6.1	19.0	43.2	19.7	1.6	.7						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1997  
STATION

CORPUS CHRISTI, TEXAS  
STATION NAME

73-02  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

09  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	2.0	2.3	.6							7.1	10.2
NNE		2.3	1.0	1.0								4.0	8.1
NE	.7	.6	1.0	.6								3.2	7.6
ENE		.7	2.3	2.3								4.0	9.3
E		.6	3.0	2.3	.3							7.1	10.1
ESE		1.0	5.5	3.2								10.0	9.6
SE	.6	1.0	5.5	12.9	1.6							21.6	11.6
SSE		1.0	3.0	10.3	2.6	.3						18.1	12.7
S	.7	1.0	6.5	5.8	.3							13.9	10.2
SSW			.7	.3								.6	11.5
SW	.7	.3										.6	4.5
WSW		.7	.7									.5	4.5
W	.7	.3	.7									1.7	4.5
WNW	.3											.3	2.0
NW		.7	.3	.6								1.3	5.3
NNW		1.0	.3	.6	.6							3.5	9.2
VARS													
CALM												1.0	
	1.7	12.3	34.0	42.3	6.1	.3						100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12-16 STATION CORPUS CHRISTI, TEXAS 77-02 YEARS MAY  
STATION NAME NORTH  
ALL WEATHER 17  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	1.9	1.0	1.0							4.4	11.0
NNE	.7	1.6	1.0	.3	.3							3.7	7.9
NE	.6	1.9	3.5	1.0								7.1	7.5
ENE		1.6	1.6	2.6								5.8	10.0
E		1.6	2.9	2.3	.6							7.4	10.0
ESE		1.3	5.0	8.1	.6							15.8	11.1
SE		.7	5.5	13.5	1.2	.3						22.9	13.1
SSE		.7	2.6	13.9	1.0	.3						18.1	13.6
S		.7	.6	6.1	1.6							8.7	14.1
SSW		.7										.3	4.0
SW													
WSW		.7										.7	5.0
W				.7								.7	12.0
WNW			.7									.7	7.5
NW	.7	.3		1.0								1.6	9.0
NNW		.7	.6	1.0			.3					2.3	12.0
VARBL													
CALM												.7	
	1.7	11.3	26.7	51.0	9.4	.6	.3					170.0	11.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1000 CORPUS CHRISTI, TEXAS STATION NAME 73-52 YEARS MAY  
CLASS ALL WEATHER MONTH 15  
CONDITION 15 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	1.0	1.0								3.5	7.3
NNE			1.7	1.0								2.3	5.7
NE	.7	1.5	1.4	1.0	.3							4.4	6.1
ENE	.7	.6	1.9	2.3								5.2	9.4
E	.7	1.7	5.4	6.9								13.2	10.3
ESE	.7	1.6	4.7	11.6	.3							16.1	11.7
SE		.2	4.2	16.5	5.5	1.0						27.4	14.0
SSE		.7	2.6	7.4	4.2	.3						14.3	14.2
S			1.7	2.9	1.6							5.5	14.2
SSW			.3									.3	9.0
SW													
WSW		.7										.7	4.0
W													
WNW			.7	.3								.5	10.5
NW		.2	.3	1.0								1.5	5.6
NNW		.7	.3	.6								1.5	2.8
VARBL													
CALM												.2	
	1.4	7.1	25.7	52.3	11.9	1.7						170.7	12.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11110 STATION NAME CORPUS CHRISTI, TEXAS YEARS 73-82 MONTH MAY  
CLASS ALL WEATHER HOURS (L.S.T.) 18  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.3	1.7	.6	.3							2.6	9.9
NNE	.7		1.6	.3	.3							2.6	10.1
NE		.3	1.7	.3								2.6	8.4
ENE		.6	3.6	.3								4.6	8.4
E		2.8	2.7	5.2								16.7	9.7
ESE		.3	4.4	13.9	1.3							23.9	11.6
SE		1.6	5.6	17.1	3.9	.3						26.7	13.0
SSE		.7	2.3	7.7	2.3							12.6	13.4
S		.7	.7	1.6	1.3							3.6	14.2
SSW			.7									.3	8.0
SW													
WSW													
W													
WNW			.7	.3								.6	3.6
NW													
NNW		.3	.3	.3								1.6	3.6
VARBL													
CALM												.7	
	.6	7.1	34.6	47.7	9.4	.3						100.7	11.6

TOTAL NUMBER OF OBSERVATIONS 712

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

DATE: 1973 STATION: CORPUS CHRISTI, TEXAS YEAR: 73-82 MONTH: MAY  
STATION NAME: CORPUS CHRISTI, TEXAS CLASS: ALL WEATHER MONTH: 21  
CONDITION:  HOURS (L.S.T.):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.7	1.3	.6							2.8	12.6
NNE			1.7									1.7	8.6
NE		1.7	1.6	.6	.6							3.9	10.4
ENE	.7	1.7	1.0	.3			.7					2.9	9.4
E	.7	2.6	7.1	1.9	.3							12.3	9.5
ESE	.4	1.3	9.4	8.4	.3							19.7	10.1
SE	.7	1.6	7.7	15.5	1.5							26.1	11.5
SSE	.6	1.6	5.2	11.7	1.3							19.7	11.3
S	1.6	1.6	1.9	1.9	.3							6.9	8.7
SSW													
SW													
WSW	.7	.7										.6	7.0
W		.2										.7	4.0
WNW													
NW						.7						.7	22.0
NNW		.2	.7		.3							1.7	11.0
VARBL													
CALM												2.3	
	7.2	11.7	36.1	41.0	4.8	.7	.3					100.7	10.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17104  
STATION

CORPUS CHRISTI, TEXAS  
STATION NAME

73-54  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	1.7	1.3	.6	.0						4.0	10.5
NNE	.1	.0	1.3	.9	.1	.0						3.0	9.3
NE	.4	.0	1.7	.7	.1							3.0	8.1
ENE	.0	.0	1.5	1.3			.0					3.7	9.2
E	.0	1.0	4.9	2.7	.2							10.2	8.9
ESE	.3	1.0	6.1	6.5	.4							15.1	10.3
SE	.0	1.7	6.0	11.7	7.0	.0						23.0	11.6
SSE	.0	1.6	5.7	9.6	1.7	.0						16.9	11.6
S	.0	1.2	3.3	3.6	.8							9.1	10.3
SSW	.1	.2	.7	.1								.7	7.4
SW	.2	.2	.1	.0								.4	5.3
WSW	.1	.2	.1									.0	5.4
W	.4	.2	.1	.0								.7	4.2
WNW	.1	.0	.2	.1								.4	6.7
NW	.1	.2	.1	.4		.0						.9	9.2
NNW	.0	.1	.4	.5	.2		.0					1.7	10.0
VARBL													
CALM												2.1	
	4.3	12.6	34.0	39.4	6.1	.0	.1					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

707

SMOS



4

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1000 STATION NAME COMPOS CHRISTI, TEXAS YEARS 77-78 MONTH JUL  
CLASS ALL WEATHER HOURS (L.S.T.) 00  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0		10	0								10	0
NNE													
NE		0										0	0
ENE		0	0									0	0
E	10	20	20	0								50	0
ESE	10	40	40	0								100	0
SE	10	40	0	110	0							170	0
SSE	0	0	10	110								140	0
S	0	10	40	0	0							100	0
SSW	0											0	0
SW	0	0	0									10	0
WSW		0										0	0
W													
WNW		0										0	0
NW		0										0	0
NNW				0								0	110
VARBL												0	
CALM												0	
	0	0	30	300	10							100	0

TOTAL NUMBER OF OBSERVATIONS 000

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION 6000 S CHRISTI, TEXAS 73-82 YEARS JUN MONTH  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.7	.7								1.7	1.0
NNE	.7	.7	.7	.7								1.7	0.7
NE		.7										.7	1.0
ENE	.7		.7	.7								1.7	1.3
E	7.7	1.7										4.7	1.2
ESE	.7	1.7	2.7	1.7								6.7	7.1
SE	.7	3.7	6.7	5.7	.7							11.7	5.4
SSE	.7	3.7	11.7	6.7								24.7	6.3
S	.7	4.7	11.7	5.7								25.7	7.9
SSW		.7	.7	.7								1.7	7.5
SW	.7	1.7										1.7	4.0
WSW	.7	.7										1.7	4.0
W	1.7	1.7										2.7	3.3
WNW		.7	.7									.7	5.0
NW	.7	.7										.7	3.6
NNW				.7								.7	12.7
VARBL													
CALM												4.7	
	14.7	21.0	37.7	20.3	.7							100.7	7.2

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION NAME CLASS MONTH HOURS (L.S.T.)

STATION NAME CLASS MONTH HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	.7	.7								.7	1.1
NNE		.7	1.7	.7								.7	1.1
NE	.7	.7	.7									1.7	1.1
ENE	.7	.7	.7	.7								1.7	1.1
E	.7	1.7	1.7	.7								3.7	1.1
ESE	.7	.7	.7	.7								7.7	1.1
SE	1.7	2.7	7.7	1.7								14.7	1.1
SSE	.7	1.7	1.7	5.7								27.7	7.6
S	.7	4.7	7.7	2.7								16.7	7.6
SSW	.7	1.7	1.7	.7								3.7	5.6
SW	.7	1.7										1.7	3.6
WSW	.7	1.7	.7									1.7	4.1
W	1.7	.7	.7									2.7	1.6
WNW	.7	.7		.7								1.7	.6
NW	.7	.7										.7	1.6
NNW	.7											.7	1.6
VARBL													
CALM												13.7	
	1.7	2.7	11.7	14.7								13.7	1.1

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME ASHEVILLE, TENN YEARS 77-80

CLASS ALL WEATHER

CONDITION

NORTH 00

HOURS (L S T) 00

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.7	2.									4.7	6.0
NNE	.7	1.	2.	1.7								4.7	6.7
NE		.7	2.	.7								2.7	7.8
ENE		1.7	1.									2.7	8.3
E	.7	1.7	2.	.3	.3							4.7	8.2
ESE	.7	2.	2.3	1.7								6.7	9.7
SE	.7	1.7	2.3	8.7	.7							17.7	11.2
SSE	1.7	2.7	6.7	14.7	1.7							28.7	11.1
S	1.7	1.7	.7	1.7	.7	.7						10.7	10.1
SSW	1.7	1.7	.7	1.7	.3							4.7	7.1
SW		.7	.7									.7	6.1
WSW	1.7	.7	.7									2.7	5.2
W	.7	.7										.7	4.5
WNW	.7	.7										.7	3.1
NW	.7	.7	.7									2.7	3.7
NNW	.7	.7	1.									2.7	3.4
VARBL													
CALM												.7	
	.4	14.7	32.7	37.7	1.0	.7						110.7	4.4

TOTAL NUMBER OF OBSERVATIONS 770

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION COAST GUARD, TALL STATION NAME COAST GUARD, TALL YEARS 1961-1962 MONTH JUL  
CLASS ALL WEATHER HOURS (LST) 12  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.7	.7								5.7	7.8
NNE	.7	1.7	1.7	.7								4.7	7.8
NE	.7	1.7	.7	1.7								6.7	8.8
ENE	.7	1.7	2.7	.7								4.7	8.8
E	.7	1.7	2.7	.3								5.7	8.9
ESE		1.7	1.7	5.7	.7							14.7	10.3
SE		1.7	2.7	12.7	.7	.7						25.7	12.4
SSE	.7	.7	6.7	13.7	.3							26.7	13.1
S			1.7	4.7	.7	.7						6.7	13.6
SSW													
SW		.7										.7	5.8
WSW	.7	.7										1.7	4.7
W													
WNW													
NW			.7	.3								.7	10.5
NNW	.7			.7								1.7	8.7
VARBL													
CALM												.7	
	1.7	16.7	30.7	39.7	.3	.7						100.7	11.9

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION CORPUS CHRISTI, TEXAS 73-12 YEARS JUN  
STATION NAME MONTH  
ALL WEATHER CLASS 15  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.7	.3								1.3	7.5
NNE	.7	.7	1.7									2.3	6.7
NE		1.7	.7	.3								1.7	7.4
ENE		1.7	4.7	2.3								6.3	9.4
E		2.7	7.7	5.7	.7							13.7	9.3
ESE		2.7	7.7	8.7	1.3							19.7	11.1
SE		.7	7.7	14.7	4.7							27.7	13.2
SSE		.7	7.7	9.7	5.7							19.7	14.1
S			1.7	1.7	.3							3.7	13.0
SSW				.7								.3	15.0
SW		.7	.7									.7	6.5
WSW													
W													
WNW													
NW		.7										.7	5.0
NNW		.7		.3								1.0	7.7
VARBL													
CALM												.7	
	.7	17.7	34.7	43.7	12.7							110.7	11.6

TOTAL NUMBER OF OBSERVATIONS 700

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 CORPUS CHRISTI, TEXAS STATION NAME 73-12 YEARS 01  
 CLASS ALL WEATHER MONTH 12  
 CONDITION 12 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.7	1.0								1.7	4.3
NNE	.7	.7	.7									1.7	5.2
NE			.7	.3								.7	10.0
ENE		.7	2.7	1.7								4.7	5.6
E		7.7	5.7	5.7								14.7	9.4
ESE		2.7	11.7	13.7	.7							28.7	10.9
SE	.7	.7	6.7	12.7	7.7							29.7	13.0
SSE	.7		.7	10.3	6.7							16.7	12.8
S		.7	.7	1.0								2.7	9.7
SSW													
SW													
WSW													
W													
WNW													
NW	.7											.3	3.0
NNW			.7									.7	6.0
VARBL													
CALM												.7	
	1.7	8.7	20.7	52.0	6.0							100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 570

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1000 STATION NAME CONRAD CHRISTI, TEXAS YEARS 13-12 MONTH JUN  
CLASS ALL WEATHER HOURS (L.S.T.) 21  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.0									1.7	6.6
NNE		.7	.7									.7	8.3
NE		.7										.7	8.0
ENE	.7		1.0									1.7	6.0
E	.7	.7	.7	2.7								13.7	7.6
ESE	.7	4.3	6.7	7.7								19.3	7.4
SE	1.7	2.7	13.7	13.7								25.3	10.6
SSE	.7	1.7	5.7	12.7	1.7							21.3	11.6
S		.7	2.7	.3								3.7	7.9
SSW	.7											.7	3.6
SW		.7										.7	7.8
WSW				.3								.7	17.6
W		.7										.7	4.8
WNW													
NW													
NNW													
VARBL													
CALM												1.7	
	4.3	10.7	34.7	41.7	1.7							110.0	6.7

TOTAL NUMBER OF OBSERVATIONS 110

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17501 COOPER'S CHRISTY, TEXAS 73-12 JUN  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
ALL  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4	1.2	.5								2.5	7.7
NNE	.2	.4	.9	.3								2.2	7.4
NE	.1	.4	1.2	.3								2.1	7.7
ENE	.7	.6	1.6	.6								3.5	7.4
E	.1	2.4	3.4	1.5	.1							8.2	7.7
ESE	.7	2.7	5.7	5.1	.3							13.8	9.7
SE	.7	2.7	6.2	11.8	1.5	.7						24.5	11.0
SSE	1.7	2.6	7.6	12.5	2.2							24.7	10.8
S	.4	1.7	4.1	3.6	.2	.1						10.7	9.3
SSW	.7	.4	.7	.2	.0							1.8	7.3
SW	.2	.5	.1									.7	4.9
WSW	.4	.7	.1	.0								.5	4.9
W	.7	.3	.7									.7	3.6
WNW	.1	.7	.7	.0								.4	4.7
NW	.7	.2	.1	.7								.6	5.5
NNW	.7	.1	.7	.2								.7	7.4
VARBL													
CALM												3.2	
	7.1	17.2	34.4	34.8	2.4	.1						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10-76 STATION CORPUS CHRISTI, TEXAS 73-82 YEARS JUL NORTH  
ALL WEATHER CLASS 00 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.7									.7	4.6
NNE													
NE													
ENE	.4			.7								.6	7.8
E	.4	1.6	1.7									2.8	6.7
ESE	.4	2.3	2.3	1.3	.3							4.4	9.0
SE	1.4	4.5	17.2	5.2								23.2	8.4
SSE	1.7	7.4	22.3	6.0	.3							35.1	8.6
S	.4	2.7	13.5	5.2								21.8	8.8
SSW			.7									.7	10.0
SW													
WSW	.4											.7	8.8
W				.7								.7	10.7
WNW													
NW													
NNW													
VARBL													
CALM												2.0	
	4.7	17.7	54.6	19.0	.6							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 710

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1777 CHARLES CHRISTL, TEXAS STATION NAME 77-42 YEARS JUL  
ALL WEATHER CLASS 3  
CONDITION HOURS (L S Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1										.1	5.7
NNE													
NE			.1									.1	5.7
NNE		.1										.1	5.7
E	.1	.3	1.1									2.5	5.7
ESE	.1	1.1	1.1	.3								2.6	6.4
SE	.1	.7	6.7	3.2								14.7	6.9
SSE	7.2	7.7	12.3	1.9			.1					29.5	7.2
S	7.2	12.6	2.3	4.5								40.3	7.3
SSW	.1	2.3	1.1	.8								5.2	5.9
SW	.1	.7										1.5	3.3
WSW	.1	.3										.6	3.3
W	.1											.6	2.5
WNW		.1										.7	6.0
NW		.7										.7	4.7
NNW		.1										.1	5.7
VARB													
CALM												.1	
	16.7	20.7	43.7	10.3			.3					10.7	6.7

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION CORPUS CHRISTI, TEXAS 73-97 YEARS JUL NORTH  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.									1.0	4.0
NNE		.										.0	5.0
NE		.		.7								.0	7.0
ENE	.0	.3										1.0	3.7
E	.0	1.0	1.0									3.0	5.0
ESE	1.0	1.0	.0	.3								3.0	5.0
SE	.3	7.0	0.0	1.0								17.0	6.0
SSE	1.2	6.1	0.0	.7	.3							17.4	5.9
S	.4	13.0	0.0	.6								11.0	5.1
SSW	.0	1.0	.0									7.0	3.0
SW	1.0	1.0										3.0	3.0
WSW	1.0	1.0										3.0	3.1
W	1.0	.7										1.7	2.0
WNW	.0	.0										1.0	4.0
NW													
NNW	.0	.3										1.0	2.7
VARBL													
CALM												11.0	
	27.4	34.5	23.0	2.6	.3							10.0	4.6

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17-00 STATION 0000 S CHRISTI, TEXAS 78-00 YEARS JUL MONTH 09 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.7									2.3	5.4
NNE	1.7	1.7	.7									2.5	4.6
NE		.7	.7									1.7	7.0
ENE	.7	.7	.7									1.7	5.5
E	.7	1.7	1.7									3.3	6.0
ESE		1.7	3.4	1.6								6.4	9.3
SE	.7	1.7	5.0	5.2								12.3	8.8
SSE	1.7	2.3	5.0	9.4								21.6	9.9
S	1.7	3.4	14.7	11.7	.3							30.8	9.3
SSW		2.3	4.0	1.7								6.7	8.2
SW	.7	2.3										3.2	4.8
WSW	.7	.7	.7									1.7	5.7
W	.7	.7										1.7	2.3
WNW		.7										.7	5.2
NW	.7	.7	.7									1.7	6.0
NNW	.7	1.7	.7									2.7	4.4
VARBL													
CALM												1.7	
	1.5	21.0	41.0	29.4	.7							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 COOPER'S CREEK, TEXAS STATION NAME 27-1 YEARS JUL  
MONTH 1  
HOURS (L S Y) 1  
CLASS ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.7		.7								1.0	4.4
NNE		.7	1.0									2.7	7.1
NE	.7	1.0	1.0									3.0	6.8
ENE		.7	2.0	1.7								4.8	7.4
E		.7	4.0	1.7								6.1	8.9
ESE	.7	2.3	7.7	4.7								15.7	9.4
SE		1.0	17.0	14.5	.3							28.8	11.1
SSE		1.0	8.7	13.1	1.3							24.8	11.8
S		1.0	4.0	4.5								10.7	10.7
SSW		.7										.7	4.1
SW	.7											.7	7.8
WSW													
W													
WNW													
NW		.7										.7	5.8
NNW													
VARBL													
CALM												.7	
	1.0	11.0	41.0	44.0	1.7							100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17-1 ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1950-1951 MONTH JUL  
CLASS ALL WEATHER HOURS (L & T) 15  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.1	.7	.1									1.0	1.0
NE		.1	.1	.3								1.0	1.0
ENE			.1	.1	.7							1.0	1.0
E		1.0	4.0	5.0	.3							11.0	1.0
ESE		.7	3.1	22.3	1.3							21.0	1.0
SE			.1	16.1	.5							16.0	1.0
SSE		.1	4.0	11.0	3.0							19.0	1.0
S		.1		1.0								1.0	1.0
SSW													
SW													
WSW													
W													
WNW													
NW		.1										.1	1.0
NNW													
VARBL													
CALM												.1	
	.1	2.0	24.0	67.0	4.0							100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 71

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10 5 10 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 STATION NAME ALL ESTIMATED YEARS 1951 MONTH 1 HOURS (LST) 1

CLASS ALL ESTIMATED

CONDITION ALL ESTIMATED

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 71

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME ASHEVILLE, NC YEARS 1951-1952 MONTH JUL  
CLASS ALL SEAS  
CONDITION   
HOURS (LST) 11

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.7											.7	1.0
NE			.7	.7	.7							1.0	1.0
ENE	.7		.7									.7	1.0
E	.7	1.0	1.0	.7								1.0	7.0
ESE		.7	1.0	1.0								17.1	8.1
SE	.7	1.0	1.0	1.0	.7							13.0	10.1
SSE	.7	1.0	1.0	1.0								13.0	10.0
S	.7	.7	1.0	1.0								4.0	1.0
SSW													
SW													
WSW													
W	.7											.7	1.0
WNW													
NW													
NNW		.7										.7	1.0
VARBL													
CALM												.7	
	.7	.7	4.0	1.0	.7							1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, TENN STATION NAME 77-1 YEARS JUL MONTH ALL HOURS (L S Y)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.1
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	0.1
NE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.0	0.6
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	0.0
E	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
ESE	.0	1.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	14.0	10.0
SE	.0	2.1	.0	12.0	.4	.0	.0	.0	.0	.0	.0	20.0	10.7
SSE	1.0	1.0	1.0	10.1	.7	.0	.0	.0	.0	.0	.0	20.0	10.0
S	.0	4.0	7.0	3.0	.0	.0	.0	.0	.0	.0	.0	17.0	7.0
SSW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0
VARBL													
CALM												0.0	
	.0	10.0	30.0	34.0	1.7	.0	.0	.0	.0	.0	.0	10.0	0.1

TOTAL NUMBER OF OBSERVATIONS 240

SMOS

4

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME POINT CHRISTI, TEXAS YEARS 13-2 NORTH 100  
CLASS ALL WEATHER HOURS (LST) 00  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.										.7	4.4
NNE			.									.7	1.0
NE		.										.7	3.0
ENE	.	.7	.	.3								1.0	7.6
E	1.0	1.0	3.7				.7					6.1	7.1
ESE	1.0	4.3	2.7	1.0								10.7	8.1
SE	1.0	.	11.7	4.3								23.7	8.0
SSE	1.0	7.7	17.7	8.0								34.0	8.6
S	.3	3.0	1.7	2.0								14.0	7.1
SSW	.	.7										1.0	4.0
SW	.											.7	1.0
WSW	.		.									1.0	8.7
W	.											.7	2.0
WNW	.7											.7	3.0
NW													
NNW													
VARBL													
CALM												2.0	
	11.7	26.0	41.7	17.4			.3					10.0	7.6

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 COAST GUARDIAN, TEXAS STATION NAME COAST GUARDIAN YEARS 20-80 MONTH AUG  
CLASS ALL WEATHER HOURS (L S Y) 07  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		0.1										0.1	0.0
NNE	0.1		0.1									0.1	0.0
NE	0.1		0.1									0.1	0.0
ENE	0.1			0.1								0.1	0.0
E	1.0	1.0		0.1				0.1				1.0	0.2
ESE	1.0	1.0	1.0									3.0	0.0
SE	1.0	3.0	1.0	0.6								7.0	0.6
SSE	0.1	0.1	11.0	4.6								25.0	7.0
S	0.5	1.0	12.0	1.6								29.0	6.0
SSW	1.0	0.1	1.0									5.0	4.0
SW		0.1	0.1									0.1	0.0
WSW	0.1	0.1										1.0	0.0
W	1.0	1.0										2.0	4.0
WNW	0.1											0.1	0.0
NW		0.1	0.1									1.0	0.3
NNW													
VARBL													
CALM												15.0	
	17.0	20.4	2.0	7.4				0.1				100.0	0.3

TOTAL NUMBER OF OBSERVATIONS 317

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION NAME: COOPER'S CREEK, TEXAS YEARS: 72-73  
CLASS: ALL WEATHER  
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	1.									2.	1.2
NNE	.	1.	1.									2.	1.7
NE	.	1.	.									1.	1.2
ENE			.									.	7.
E	1.	.		.								2.	4.1
ESE	1.	2.	.					.				4.	6.5
SE	.	1.	.									4.	4.5
SSE	2.	5.	1.	1.								12.	6.5
S	.	11.	5.	1.								22.	5.2
SSW	1.	1.	1.									5.	4.7
SW	1.	1.	.									3.	7.2
WSW	1.	1.		.								2.	4.2
W	.	1.	.									4.	1.5
WNW	.	.										1.	2.
NW	.	1.	.									1.	4.2
NNW			.	.								1.	1.
VARBL													
CALM												1.	
	23.7	32.	14.7	3.				1.				10.7	4.2

TOTAL NUMBER OF OBSERVATIONS 117

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, TENN YEAR 1951 MONTH 1

STATION NAME ASHEVILLE CLASS ALC-1A-1 HOURS (LST) 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.3	2.3									7.6	5.5
NNE	1.7	1.7	2.3	1.7								5.7	5.5
NE	.7	1.7	1.7	.7	.3							6.7	7.9
ENE		.7	.7									1.7	1.7
E		1.7	.7									2.7	5.0
ESE	.7	2.3	1.7				.7					4.7	7.3
SE	1.7	1.7	1.7	1.7								7.7	7.4
SSE	.7	2.3	2.7	5.7	.3							16.7	5.6
S	1.7	2.3	2.4	2.4								23.7	6.9
SSW	.7	1.7	3.7	.3								7.7	7.4
SW	1.7	2.3	1.7									4.7	5.3
WSW	.7	1.7										1.7	4.5
W	1.7	.7										1.7	5.4
WNW	1.7	.7	.7									1.7	7.0
NW	.7											.7	1.0
NNW	1.7	2.7	1.7									4.7	5.1
VARBL													
CALM												1.7	
	17.7	27.7	30.1	19.6	.6		.3					10.7	7.5

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION NAME STATION NAME YEARS CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	0	0	0	0	0	0	0	0	0	0	3	0
NNE	0	1	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0
VARBL	0	0	0	0	0	0	0	0	0	0	0	0	0
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME ASHEVILLE, NC YEARS 23-24 MONTH 1  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0											.0	0.0
NNE	.0	.0		.0								1.0	0.0
NE		1.0	.0	1.0		.0						2.0	1.0
ENE		1.0	.0	2.0								3.0	0.7
E	.0	1.0	7.0	7.0								15.0	10.4
ESE		1.0	9.0	12.0	.3							24.3	10.9
SE	.0	.3	7.1	10.7	1.0							20.7	12.4
SSE		.0	2.0	8.4	.3							13.7	13.3
S			.0	1.0								2.0	11.0
SSW			.0									.0	0.0
SW				.0								.0	15.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	1.0	.0	33.2	50.2	0.5	.0						100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 710

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 COAST GUARD, TEXAS STATION NAME COAST GUARD, TEXAS YEARS 1961-1962 MONTH 12  
CLASS ALL WINDS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												0.0	10.0
NNE	0.0											0.0	0.0
NE				1.0		0.0						1.0	10.0
ENE		0.0	2.0	1.0								3.0	10.0
E		1.0	11.0	4.0								16.0	9.0
ESE		1.0	13.0	11.0	0.0							25.0	10.0
SE	0.0	0.0	0.0	22.0	1.0	0.0						23.0	12.0
SSE		0.0	1.0	10.0	0.0							11.0	12.0
S	0.0		0.0	2.0								2.0	11.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												0.0	
	1.0	0.0	37.1	53.5	1.0	0.0						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 11

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1. STATION NAME: ASHEVILLE, NC YEAR: 1977 MONTH: ALL  
STATION NAME: ASHEVILLE, NC CLASS: ALL HOURS (LST): 24  
CONDITION: ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.7		.7								.7	1.4
NE		.7										.7	1.4
ENE		.7	1.0	1.0		.7						3.0	1.4
E	.7	4.0	4.0	1.0								11.0	7.4
ESE	.7	3.0	1.0	2.3								11.0	4.7
SE	.7	2.3	1.0	1.0	.7							7.0	1.4
SSE	.7	2.3	1.0	2.3								11.0	4.7
S	.7	.7	1.0	2.3								5.0	3.3
SSW				.7								.7	1.4
SW													
WSW													
W		.7										.7	1.4
WNW													
NW													
NNW		.7										.7	1.4
VARBL													
CALM												1.0	
	7.0	15.0	51.0	29.7	.3	.7						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 111

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1961-1962 MONTH ALL  
CLASS ALL  
CONDITION ALL  
HOURS ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	.1									2.1	5.7
NNE	.1	.1	1.1	.1								2.4	5.7
NE	.1		.1	.1	.1	.1						2.7	5.4
ENE	.1		2.1	.1		.1						3.2	5.5
E		2.1	4.1	1.1			.1	.1				6.7	5.1
ESE	.1	2.1	5.1	3.1	.1		.1	.1				12.7	6.3
SE	.1	2.1	3.1	2.1	.1	.1						8.7	12.3
SSE	.1	2.1	3.1	3.1	.1							10.7	6.7
S	1.1	3.1	4.1	1.1								12.3	7.4
SSW			.1	.1								2.3	5.7
SW		.1	.1	.1								1.7	5.1
WSW	.1	.1	.1	.1								.7	4.4
W												1.7	3.6
WNW	.1	.1										.7	3.1
NW	.1	.1	.1									.7	4.6
NNW	.1	.1	.1	.1								.7	5.1
VARBL													
CALM													
	1.1	14.1	31.1	27.1	1.2	.1	.1	.1				10.7	5.7

TOTAL NUMBER OF OBSERVATIONS 74

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION NAME STATION NAME YEARS MONTH HOURS IN DAY  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	.7	.7	.7	.7	.7							.7	11.1
NNE	.	.	.7	.7	.7							.7	10.7
NE	.7	.7	.7	.7	.7							.7	10.3
ENE	.7	.7	.7	.7	.7							.7	10.4
E	.7	.7	.7	.7	.7							10.3	8.5
ESE	.7	.7	.7	.7	.7							10.7	8.1
SE	.7	.7	.7	.7	.7							10.7	7.8
SSE	.7	.7	.7	.7	.7							10.7	5.7
S	.7	.7	.7	.7	.7							.7	7.1
SSW	.	.	.	.	.							.7	4.1
SW	.	.	.	.	.							1.7	4.7
WSW	.	.	.	.	.							.7	10.7
W	.	.	.	.	.							.7	9.1
WNW	.	.	.	.	.							.7	1.1
NW	.	.	.	.	.							.7	1.5
NNW	.	.	.	.	.							.7	10.5
VARBL													
CALM													
	17.7	27.7	3.7	17.7	1.7							100.7	7.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION NAME: DEL MAR, TEXAS YEARS: MONTH: HOURS (L S Y):  
CLASS: CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	1.7	2.7	3.7	0.7							0.7	1.7
NNE		1.7	0.7	2.7	0.7							7.7	1.7
NE	0.7	0.7	1.7	0.7								0.7	0.7
ENE		0.7		0.7								0.7	0.7
E	1.7	2.7	1.7									0.7	4.4
ESE	0.7	1.7	2.7	0.7								4.7	7.4
SE	0.7	2.7	0.7	0.7								7.7	0.7
SSE	0.7	0.7	0.7	2.7								17.7	0.7
S	0.7	4.7	0.7	1.7								13.7	7.7
SSW		1.7	1.7									2.7	7.4
SW	0.7	1.7										0.7	4.0
WSW	0.7	0.7	0.7									0.7	0.7
W	1.7	0.7		0.7								0.7	0.7
WNW	0.7	0.7			0.7							1.7	0.7
NW	0.7	0.7	0.7	0.7								0.7	0.7
NNW		0.7	0.7	0.7								0.7	0.7
VARBL													
CALM												0.7	
	10.7	14.0	27.0	12.0	1.7							1.0	0.7

TOTAL NUMBER OF OBSERVATIONS: 10

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME U.S. MARINE CORPS, 1ST YEARS 1961 MONTH SEP  
CLASS ALL WEATHER  
CONDITION   
HOURS (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	0.7	1.7	0.7	0.7							1.7	0.7
NNE	0.7	1.7	0.7	0.7	0.7							0.7	1.7
NE	0.7	1.7	0.7	0.7								0.7	1.7
ENE		0.7										0.7	0.7
E	1.7	0.7	0.7	0.7								1.7	0.7
ESE	0.7	1.7	0.7									0.7	0.7
SE	1.7	1.7	1.7	0.7								1.7	1.7
SSE	0.7	0.7	0.7	0.7	0.7							0.7	0.7
S	0.7	0.7	0.7	0.7	0.7							1.7	0.7
SSW	0.7	1.7	1.7									1.7	0.7
SW	1.7	0.7	0.7	0.7								1.7	0.7
WSW	0.7	1.7	0.7									0.7	0.7
W	0.7	1.7	0.7									0.7	0.7
WNW	0.7	0.7										0.7	0.7
NW	1.7	1.7	0.7	0.7		0.7						1.7	0.7
NNW	0.7	0.7	1.7	0.7								0.7	0.7
VARBL												1.7	
CALM													
	1.7	0.7	1.7	1.7	0.7	0.7						1.7	0.7

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10 STATION NAME ASHEVILLE, TN YEARS 1950-1951 MONTH ALL  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10.0	10.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	7.4

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1957-1958 MONTH SEP  
CLASS ALL WEATHER  
CONDITION   
HOURS (LST) 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7	1.7								.7	7.6
NNE	.	.	5.7	2.7	.7							10.7	.7
NE	1.7	4.7	5.7	1.7								13.7	7.3
ENE	.7	2.7	2.7	1.7								7.7	7.7
E	.	2.7	5.7	2.7								10.7	.7
ESE		1.7	.7	1.7								1.7	.9
SE		.	1.7	2.7	.7							11.7	.7
SSE		1.7	3.7	6.7	.7							12.7	11.1
S		1.7	2.7	4.7	1.7							7.7	11.7
SSW				1.7								1.7	11.7
SW		.7										.7	.6
WSW			.7									.7	1.6
W	.7		.7									1.7	.3
WNW				.7								.7	1.6
NW		.7	1.7				.7					.7	11.1
NNW	.	.7	.7	1.7	.7							4.7	11.4
VARBL													
CALM												1.7	
	1.7	12.7	44.7	20.7	1.7		.7					10.7	1.4

TOTAL NUMBER OF OBSERVATIONS 100

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION COLEMAN ISLT, TEX STATION NAME COLEMAN ISLT YEARS 1951-1952 NORTH 28° 15' N  
CLASS ALL SEAS HOURS 1157  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	1.7	1.7								3.4	1.7
NNE	.0	1.0	.0	2.3	.3							4.3	1.7
NE	.0	1.7	4.0	1.3								7.0	2.8
ENE	1.0	1.7	8.7	1.3	.3							11.0	3.1
E		.0	18.7	3.7								20.0	5.0
ESE		.0	5.7	5.7								16.7	10.0
SE	.0	1.0	5.7	8.7	1.0							19.3	11.4
SSE		.0	5.7	5.7	1.0							11.7	11.7
S			.0	1.7								1.7	13.0
SSW		.0		.0								.7	18.0
SW													
WSW		.0	.0									.7	7.0
W			.0	.7								.7	18.0
WNW		.0										.0	4.0
NW		.0	.0	.7		.0						1.7	13.0
NNW			.0	1.7								3.7	11.3
VARBL													
CALM												.0	
	5.7	15.7	45.7	33.7	2.7	.0						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 1157

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1951-1952 NORTH 1  
CLASS ALL  
CONDITION ALL  
HOURS (L S Y) 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.7	1.7								2.7	9.5
NNE	.7	.7	.7	1.7	.7							5.7	9.7
NE	.7	1.7	1.7	.7	.7							4.7	9.4
ENE	.7	.7	.7	1.7								4.7	7.8
E		.7	.7	2.7								17.7	7.8
ESE	.7	.7	11.7	.7								22.7	9.1
SE		.7	17.7	8.4	.7							21.7	10.3
SSE		.7	.7	.7	1.7							10.7	11.4
S				1.7								1.7	11.5
SSW													
SW				.7								.7	17.6
WSW													
W													
WNW				.7								.7	11.6
NW		.7	.7		.7							1.7	10.3
NNW		.7	.7	1.7								3.3	10.1
VARBL													
CALM												.7	
	1.3	21.1	43.7	28.2	1.3							110.7	9.3

TOTAL NUMBER OF OBSERVATIONS 1109

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME COLE'S CHRISTI, TEXAS YEARS 1950-1951 MONTH SEP  
CLASS ALL WEATHER HOURS (L S Y) 21  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.7	1.7		.7						3.7	17.6
NNE	.7	.7	2.7	1.7	.7							5.7	1.1
NE		1.7	1.7	.7								3.7	7.3
ENE	.7	1.7	2.7	1.7	.7							5.7	9.1
E	.7	5.7	7.7	1.7								15.7	5.7
ESE	.7	1.7	7.7	5.7								15.7	6.7
SE	.7	4.7	5.7	5.7	.7							19.7	5.7
SSE	1.7	2.7	5.7	5.7								14.7	9.1
S	1.7	.7	1.7	.7								5.7	6.5
SSW		.7		.7								.7	7.1
SW	.7											.7	2.5
WSW													
W	.7											.7	1.1
WNW													
NW		.7		.7								1.7	12.0
NNW			.7	.7								1.7	11.3
VARBL													
CALM												.7	
	11.0	23.0	37.0	21.0	1.7	.7						115.7	7.7

TOTAL NUMBER OF OBSERVATIONS 120

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME ASHEVILLE, NC YEARS 1961-1962  
CLASS ALL WEATHER  
CONDITION  
REF NORTH  
ALL  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	2.5	2.1	.2	.1						7.6	7.6
NNE	.2	1.4	2.6	2.7	.5							7.6	7.6
NE	.2	1.0	2.1	.2	.1							5.4	7.7
ENE	.1	1.2	2.1	.8	.2							4.0	7.8
E	1.1	2.1	2.7	1.3								11.1	7.6
ESE	1.2	2.1	2.7	2.2								11.1	7.6
SE	.2	2.1	2.7	1.2	.3							13.3	7.6
SSE	1.1	2.1	4.5	3.8	.4							12.3	7.6
S	1.2	1.8	2.7	2.2	.2							7.8	7.6
SSW	.1	.7	.7	.3								1.0	7.6
SW	.2	.6	.2	.1								1.4	7.6
WSW	.1	.4	.7									.1	7.6
W	.2	.7	.7	.2								1.7	7.6
WNW	.4	.7	.1	.1	.1							.2	7.6
NW	.2	.1	.2	.4	.1	.1	.1					1.0	7.6
NNW	.2	.1	.5	.2	.1							2.4	7.6
VARBL													
CALM												7.6	
	10.2	21.2	36.3	20.8	5.1	.1	.1	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 2376

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10000 STATION NAME MORRIS CHRISTI, TEXAS YEARS 73-75  
CLASS ALL WEATHER  
CONDITION

NOT NORTH  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.7	2.6	.3							7.1	6.3
NNE	.7	2.6	3.5	3.2		.7						10.7	6.5
NE	.7	1.6	1.7	.3								3.7	6.5
ENE		.7	.7	1.7								1.0	7.5
E	2.6	3.5	2.6	.3								6.0	5.4
ESE	1.7	2.6	1.0	1.7								7.7	6.8
SE	1.7	4.4	3.5	1.6	.3							11.7	7.3
SSE	.7	3.5	4.4	1.0								12.3	7.8
S	1.7	1.7	7.1	2.3								12.6	7.5
SSW	.7	.7	1.7									2.3	5.3
SW	.7	.7										1.0	3.7
WSW	.7		.7									.6	4.5
W	.7											.7	3.0
WNW	.7						.7					.6	15.5
NW	.7											.7	3.6
NNW	.7	1.7	.3	1.7	.6	.7						3.9	11.8
VARBL													
CALM												12.7	
	11.7	24.2	32.3	15.5	1.3	.7	.3					110.0	6.7

TOTAL NUMBER OF OBSERVATIONS 212

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1000 STATION NAME GRAND CANYON, TEXAS YEARS 70-71 GGT 001  
STATION 1000 STATION NAME GRAND CANYON, TEXAS YEARS 70-71 GGT 001  
CLASS ALL WEATHER MONTH 12  
CONDITION  HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.0	5.5	.5							11.0	13.4
NNE	.5	.5	2.0	2.3	.3							6.0	9.8
NE	.5	1.5	1.0	1.0								4.5	7.5
ENE	1.0	.7	.7									1.0	4.1
E	1.0	1.0	.7	.5								3.5	4.5
ESE	1.0	2.0	.5									4.5	4.5
SE	.5	2.2	2.0	1.0								6.7	7.8
SSE	1.0	2.2	4.5	1.0								10.5	8.7
S	1.0	3.0	6.1	1.0								12.5	8.7
SSW	1.0	1.0	1.5									4.2	5.3
SW	1.0	1.0										2.0	3.0
WSW	.5	1.0										1.0	4.4
W	1.0	.5	.5	.3								2.3	5.0
WNW	.5	.2		.2								1.0	5.3
NW	1.0	.5	.5		.5							2.5	5.9
NNW	.5	.5	1.0	.5	.5							3.0	10.4
VARBL													
CALM												17.1	
	10.5	24.5	25.5	14.5	1.9							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 21

SMOS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

1	CHURCH CHRIST, TEXAS	1960	01
STATION	STATION NAME	YEARS	MONTH
	ALL-WEATHER		05
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	4.2	4.2	.6							12.3	3.8
NNE	1.0	2.0	5.1	2.6	1.0							13.3	3.8
NE		1.0	1.7	.9	.6							3.7	10.2
ENE	1.0	1.7	.7	.3	.3							2.7	11.4
E	1.0	1.0	.6	.3								3.1	8.3
ESE	.0	1.7	.7	.6								2.9	6.7
SE	1.7	2.0	1.7	1.1	.3							6.0	6.8
SSE	1.0	2.2	2.0	1.6								9.7	6.0
S	1.7	2.0	2.7	1.7								11.7	5.4
SSW	1.7	1.0	.7									7.3	4.3
SW	.0	.7	.1									1.3	5.1
WSW	1.0	1.7										1.7	3.6
W	1.7	1.0	.7									3.7	4.7
WNW	.0	.7			.3							1.7	4.5
NW	.0	1.7	.7	.3		.0						2.0	5.7
NNW	.0	2.0	.6	1.5	.6							6.1	5.4
VARBL													
CALM												14.3	
	1.0	22.7	20.5	14.2	.6	.7						100.7	5.2

**TOTAL NUMBER OF OBSERVATIONS**

112

**SMOS**

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10000 STATION NAME COOPER'S CHRISTY, TEXAS YEARS 77-78 MONTH OCT  
CLASS ALL WEATHER HOURS (L S Y) 0  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.0	5.6	3.7		.7						14.3	5.4
NNE	.7	3.0	1.7	3.2	1.7							18.0	5.7
NE	.7	1.7	2.3	1.7	.8							5.0	2.4
ENE		1.7	.7	.3								2.7	1.4
E	1.7	1.7	3.3	.3								4.0	6.7
ESE	1.7	1.7	1.7	1.3								6.1	7.1
SE	.7	1.7	1.7	3.2	.7							7.3	10.7
SSE	.7	1.7	4.3	2.3								5.7	8.9
S		2.3	4.3	7.0	.3							11.7	9.3
SSW	1.7		1.7	1.7								3.7	6.7
SW	1.7	1.7	1.7									5.7	5.1
WSW	1.7	1.7	.7									3.3	7.1
W		1.7	.7									1.7	5.1
WNW	.7	.7		.7	.6							1.7	11.7
NW		1.7	1.7	.7	.3	.7						3.7	10.7
NNW	.7	1.7	1.7	1.7	.6							5.7	6.1
VARBL													
CALM												1.7	
	10.7	24.3	36.4	21.7	1.9	.7						110.0	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 100 STATION NAME COAST GUARD, TEXAS YEARS 1970 MONTH 1  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.0	2.0	1.0							11.0	4.7
NNE	1.0	2.0	1.0	2.0	1.0							11.0	4.7
NE	1.0	2.0	1.0	2.0	1.0							11.0	4.7
ENE	1.0	1.0	2.0	1.0	1.0							6.0	4.7
E	1.0	1.0	2.0	1.0								6.0	4.7
ESE	1.0	1.0	2.0	2.0								7.0	4.7
SE	1.0	4.0	4.0	4.0	1.0							18.0	10.0
SSE	1.0	4.0	4.0	4.0	1.0							18.0	11.0
S	1.0	4.0	4.0	4.0	1.0							18.0	10.4
SSW	1.0			1.0								1.0	4.7
SW		1.0										1.0	4.7
WSW			1.0									1.0	4.7
W												1.0	4.7
WNW				1.0	1.0							2.0	12.7
NW			1.0	1.0	1.0							3.0	11.4
NNW	1.0	1.0	1.0	1.0								4.0	11.4
VARBL													
CALM													
	1.0	14.0	4.0	31.0	1.0							10.0	4.4

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION NAME: CORPUS CHRISTI, TEXAS YEARS: 1951 MONTH: 11  
CLASS: ALL WEATHER HOURS (LST): 1  
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	1.1	1.2	.7							4.2	17.5
NNE	1.1	1.1	2.5	2.4	.7							2.5	
NE		1.1	2.0	2.0	.6							2.5	
ENE	.1	6.0	6.1	1.1								11.2	7.1
E	1.1	2.3	11.7	1.0								14.1	10.4
ESE		1.1	4.5	2.2	.7							4.5	15.1
SE		.1	1.1	7.1	1.3	.7						1.2	11.0
SSE		.1	2.2	6.6	.7							15.0	11.0
S			.1	3.5	.6							4.2	12.4
SSW			.1									.7	.1
SW													
WSW			.1									.1	1.1
W	.1	.1										.1	1.1
WNW		.1										.1	1.1
NW	.1	.1	.1	1.7								2.0	1.6
NNW	.1	1.1	.1	1.1	.6							3.0	.6
VARBL													
CALM												.1	
	.1	15.1	41.4	33.2	4.6	.7						110.2	.1

TOTAL NUMBER OF OBSERVATIONS 111

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1951-1952 NORTH 10  
CLASS AL HOURS (L & T) 10  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.0	1.0	1.0	0.0							0.0	0.0
NNE	0.0	1.0	1.0	1.0	0.0	0.0						0.0	1.0
NE	0.0	0.0	0.0	1.0								0.0	0.0
ENE	0.0	0.0	0.0	1.0								0.0	0.0
E	0.0	0.0	1.0	1.0								1.0	0.0
ESE	0.0	0.0	0.0	0.0								0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0							0.0	0.0
SSE	0.0	1.0	0.0	0.0								1.0	0.0
S	0.0	0.0	0.0	1.0								0.0	0.0
SSW													
SW													
WSW													
W	0.0		0.0									0.0	0.0
WNW	0.0											0.0	0.0
NW	0.0		0.0	0.0								0.0	0.0
NNW			0.0	1.0	0.0	0.0						0.0	0.0
VARBL													
CALM													
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME POINT CHRISTI, T-200 YEARS 1951 MONTH 1  
CLASS ALL WEATHER  
CONDITION   
HOURS 1 OF DAY

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	2.0	.7							7.0	1.0
NNE		1.0	4.0	1.0		.0						7.0	1.1
NE	1.0	1.0	1.0	1.0	.7							7.0	1.0
ENE	1.0	2.0	1.0	.0								7.0	1.0
E	2.0	.0	.0	1.0								14.0	1.0
ESE	1.0	2.0	5.0	1.0								16.0	1.1
SE	1.0	2.0	6.1	2.0								14.0	1.4
SSE	.0	.0	6.0	2.0	.3							13.0	.8
S	1.0	2.0	4.0	.0								9.0	1.1
SSW			.0									.0	1.0
SW	.0	.0										.0	1.0
WSW	.0											.0	1.0
W	.0											.0	1.0
WNW	.0											.0	1.0
NW	.0			.0								.0	1.0
NNW		.0	.0	1.0	.3	.0						.0	1.4
VARBL												7.0	
CALM													
	12.0	14.0	30.7	14.5	1.3	1.0						10.0	1.0

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1957, 1958 MONTH ALL  
CLASS NAVAL HOURS 15 T  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
NE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 15

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION NAME STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	6.7	7.7	1.7	.7						1.7	11.7
NNE	.7	7.7	1.7	4.7	1.7							10.7	10.7
NE	.7	7.7	1.7	1.7								1.7	7.7
ENE	.7	1.7	.7									2.7	2.1
E	1.7	1.7	.7	.7								4.7	4.7
ESE	.7	1.7	1.7	.7								1.7	2.7
SE	.7	1.7	.7	.7	.7							1.7	2.1
SSE	.7	.7	1.7	2.7								1.7	7.7
S	.7	1.7	1.7	1.7								1.7	2.7
SSW	.7	1.7	1.7	.7								4.7	2.7
SW	.7		.7	.7								1.7	2.7
WSW	.7											1.7	2.7
W	.7	.7	.7									1.7	2.7
WNW		.7	1.7	.7								1.7	2.7
NW	.7											.7	10.7
NNW	.7		1.7	.7	1.7	.7						3.7	10.7
VARBL													
CALM												1.7	
	11.7	.7	20.7	20.7	4.7	.7						10.7	2.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION 10 P 2 101ST, TEXAS STATION NAME YEARS MONTH NOV  
CLASS  
CONDITION  
HOURS (L S Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	7.3	1.7	1.7	.7						14.7	10.5
NNE	1.7	1.7	2.7	2.7	.7	.7						2.7	10.5
NE	1.7	1.7	2.7	1.7	.7							6.7	7.8
ENE	.7	.7	.7	.7	.7							1.7	5.1
E	.7	1.7	.7	.3								2.7	6.6
ESE		1.7	1.7	.3								2.7	7.5
SE	.7	2.7	2.3	1.7								6.3	6.7
SSE	.7	.7	.7	2.7	.7							11.7	7.6
S	1.7	4.7	2.7	1.3		.7						9.7	7.5
SSW	.7	.7	1.7	.7								2.7	6.1
SW		1.7	1.7									3.7	6.5
WSW	1.7	.7										1.7	2.9
W	1.7	1.3	.7									1.7	4.1
WNW	1.7	1.7	.7	.7								1.7	5.1
NW						.7						.7	2.5
NNW	.7	.7	1.7	7.3								6.7	11.7
VARBL													
CALM												14.7	
	1.7	24.7	27.7	21.3	1.7	1.7						16.7	7.2

TOTAL NUMBER OF OBSERVATIONS 10

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME CORPUS CHRISTI, TEXAS YEARS 23-24 MONTH NOV  
CLASS ALL WEATHER HOURS 125  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	1.7	5.0	1.7							15.7	7.9
NNE	1.7	2.0	2.0	5.7	1.3	.7						14.7	10.7
NE	.7	1.7	2.0	1.7	.7							8.7	6.4
ENE	.7	1.7	.7									3.7	4.9
E	.7	.7										1.7	1.7
ESE	.7	.7	1.7	.7								3.7	7.8
SE	1.7	1.7	2.7	1.7								7.7	7.7
SSE	1.7	1.7	4.0	1.7								10.7	7.7
S	1.7	2.0	2.0	.3								6.7	5.6
SSW	1.7	1.0	.7	1.7								4.7	5.7
SW	.7	1.0	1.0									2.7	4.7
WSW	.7	.7										1.7	3.3
W	1.7	1.0	.7									3.0	7.0
WNW	1.0	.7	.7									2.7	4.0
NW	.7	.7	.7	.7	.7							3.0	5.3
NNW	.7	1.7	1.0	1.7	1.7	.7	.7					7.0	11.1
VARBL													
CALM												1.7	
	1.7	1.7	24.7	13.7	.7	1.7	.3					15.7	7.2

TOTAL NUMBER OF OBSERVATIONS

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17-00 STATION NAME ASHEVILLE, TENN YEARS 77-80 MONTH NOV  
CLASS ALL WEATHER HOURS (L.S.T.) 00  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	4.7	6.7	5.3	1.3	.7						14.0	10.3
NNE		2.7	4.7	6.7	1.7							14.0	10.3
NE	1.0	1.0	5.3	1.3								9.0	7.8
ENE	.7	1.0	.7	1.7								7.0	6.0
E		1.0	.7									1.0	5.0
ESE	.7	.7	2.7	1.3								4.0	6.6
SE		.7	1.7	3.7	.7							6.0	11.6
SSE	.7	1.3	7.7	1.7								11.0	9.0
S	.7	1.3	4.7	3.7								10.0	8.6
SSW	1.0	.7	2.7	1.7								4.0	7.1
SW	1.0	.7	.7									2.0	4.0
WSW	.7	.7		.7								1.0	4.4
W		1.0	1.0									1.3	3.4
WNW	.7	1.0										1.0	4.0
NW	.7	.7	1.7	.7		.7						5.0	7.7
NNW	.7	7.7	7.7	1.7	1.7	.7						7.0	10.3
VARBL													
CALM												1.0	
	.7	6.7	35.7	28.0	4.3	1.7						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 200

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION COOPER'S CREST, TEXAS STATION NAME COOPER'S CREST YEARS 1961-1962 MONTH NOV  
CLASS ALL WEATHER HOURS (L S Y) 10  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.3	4.7	7.0	2.3	.7						13.0	10.7
NNE	1.7	3.7	4.7	7.0	.7							13.7	8.6
NE	.7	.7	4.7	2.3								11.7	6.3
ENE	.7	1.7	2.3	1.7								6.7	2.3
E		.7	.7	.7								2.7	1.4
ESE			1.7	.7	.7							2.7	11.7
SE		.7	1.7	1.7	1.7							6.7	13.7
SSE		1.7	2.3	1.7	1.7	.7						11.7	13.7
S		.7	2.3	4.7	1.7							6.7	11.7
SSW		.7	2.3	1.7	.7							4.7	13.7
SW		.7	.7	.7								1.7	7.7
WSW		.7	.7									.7	.7
W	.7	.7										.7	7.7
WNW			.7	1.7								1.7	13.7
NW		.7	2.3	1.7	.7							6.7	13.7
NNW	.7	1.7	2.3	2.3	.7	.7						6.7	13.7
VARBL													
CALM												.7	
	4.7	16.7	33.7	37.0	7.3	1.7						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION COLEMAN CHRISTI, TEXAS STATION NAME 73-00 YEARS NOV  
MONTH 1  
HOURS (LST) 1  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	4.7	6.7	.7							1.7	10.6
NNE	1.7	2.7	1.7	3.3	.3							8.7	9.0
NE	.7	2.3	1.7	.7								5.3	6.8
ENE	.7	.7	5.7	2.7								12.7	5.4
E	1.7	2.7	4.7	.7								8.7	7.0
ESE		.7	2.3	2.7	.3							6.7	10.7
SE		.7	4.7	7.7	1.7							13.7	12.3
SSE		.7	2.3	3.7	1.7	.7						12.3	12.4
S			.7	3.3	.7	.7						7.7	12.2
SSW		.7	.7	.3								1.7	8.2
SW													
WSW			.7									.7	7.0
W	.7											.7	7.0
WNW	.7	.7	.7	.7								1.7	7.6
NW	.7	.7	.7	1.7	.3	.7						3.7	12.5
NNW		.7	2.3	2.3	.3	.7						6.7	11.4
VARBL													
CALM												.7	
	.7	14.7	34.7	37.0	.3	1.7						10.7	10.3

TOTAL NUMBER OF OBSERVATIONS 700

SMOS

4  
2406-102  
1225

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ROAD CHRISTI, TEXAS 23-12 YEARS NOV NORTH 1° HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	2.7	2.7	1.7							12.7	12.7
NNE	1.7	.7	2.0	2.7	.7	.7						7.7	12.0
NE	.7		1.0	.7								2.7	8.1
ENE	1.7	2.3	4.0	1.7								2.7	7.1
E	.7	4.7	4.0	.7								11.7	8.0
ESE	1.7	2.7	2.7	1.7	.3							11.7	8.1
SE	1.7	2.7	2.7	.7								14.7	8.8
SSE	.7	4.3	.7	2.7	.7							13.7	8.1
S	.7	.7	2.0	1.7								4.7	7.0
SSW	.7	.7										.7	7.0
SW													
WSW													
W													
WNW	.7	.7										1.7	3.0
NW		1.0	.7	.7								2.0	7.0
NNW			1.0	1.7	.7	.7						4.7	10.7
VARBL													
CALM												4.7	
	.7	23.7	32.7	25.3	1.7	1.7						110.7	7.7

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 NAME COAST GUARDIAN, YEARS 73-74 YEARS NOV  
STATION NAME ALL WEATHER MONTH 11  
CLASS ALL WEATHER HOURS (LST) 11  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			4.7	5.7	1.7							13.1	11.6
NNE	1.7	2.7	1.7	4.7								3.1	9.1
NE	1.7		1.7	1.7	1.7							3.7	4.5
ENE	1.7	1.7	1.7	1.7								4.7	6.0
E	1.7	4.7	1.7	1.7								6.3	6.1
ESE	1.7	3.7	1.7	1.7	1.7							9.0	6.6
SE	1.7	1.7	4.7	1.7	1.7							13.7	9.0
SSE	1.7	1.7	4.7	1.7	1.7							11.7	7.9
S		2.7	1.7	2.7								10.7	7.7
SSW			1.7	1.7								1.7	9.7
SW	1.7											1.7	2.0
WSW													
W												1.7	7.7
WNW	1.7	1.7	1.7									1.7	4.3
NW				1.7								1.7	15.0
NNW	1.7	1.7	2.7	1.7	1.7	1.7						5.7	10.7
VARBL													
CALM												10.7	
	10.7	24.0	31.7	20.7	7.3	1.7						10.7	7.6

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 CEEDS CHRISTY, TEXAS STATION NAME 23-10 YEARS NOV  
MONTH ALL  
HOURS (L S T) ALL  
CLASS ALL  
CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.3	4.2	5.4	1.4	.0						14.5	10.6
NNE	1.0	2.2	2.7	4.7	.7	.2						10.5	13.1
NE	.7	1.7	2.5	1.2	.1							5.2	7.9
ENE	.7	1.7	1.9	.9	.2							5.7	7.5
E	.7	2.2	1.5	.4								4.7	5.4
ESE	.4	1.4	1.7	1.2	.3							5.1	4.2
SE	.0	2.1	3.4	3.9	.5							10.7	7.5
SSE	.7	7.7	4.7	3.6	.5	.1						12.1	5.1
S	1.1	1.0	2.7	2.3	.2	.1						8.7	2.6
SSW	.5	.1	1.1	.7	.7							3.0	7.7
SW	.7	.4	.4	.1								1.2	5.7
WSW	.4	.2	.1	.1								.0	4.7
W	.5	.7	.7									1.7	4.4
WNW	.5	.1	.4	.2								1.0	5.0
NW	.0	.4	.7	.8	.2	.1						2.1	10.2
NNW	.4	.7	2.2	1.9	.7	.7	.1					6.7	11.7
VARBL													
CALM												6.7	
	1.0	1.0	30.1	20.5	4.5	1.7	.0					10.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2410

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION COAST GUARD STATION, TAYLOR STATION NAME ALL WEATHER YEARS 1960-61 NORTH 000  
CLASS ALL WEATHER  
CONDITION ALL WEATHER  
HOURS (LST) 0000-2300

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.0	6.5	1.3							1.0	1.0
NNE	1.0	1.0	2.0	4.0	1.3							1.0	2.0
NE		1.0	1.0	1.0								1.0	2.1
ENE				0.3								1.0	0.4
E				0.3								2.0	0.7
ESE	1.0	0.0	1.0	0.3								2.0	0.6
SE		1.0	1.0	1.0								4.0	0.5
SSE		1.0	2.0	2.0								7.0	0.4
S	1.0	2.0	1.0	2.0								14.0	0.1
SSW	1.0	1.0	1.0	0.0								0.0	0.0
SW												1.0	0.0
WSW	1.0	0.0										1.0	0.0
W		0.0	0.0									1.0	0.0
WNW	1.0	0.0		0.0	0.3							1.0	0.0
NW			1.0	0.0		0.0						1.0	0.0
NNW	1.0	1.0	1.0	1.0	0.0							1.0	0.0
VARBL													
CALM												1.0	
	1.0	1.0	2.0	21.4	0.0	0.0						1.0	0.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 STATION NAME ASHEVILLE, NC YEARS 1951, 1952 MONTH 12  
CLASS ALL DATA  
CONDITION   
HOURS (L S Y) 17

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0							11.7	4.7
NNE		1.0	1.0	1.0	1.0							10.7	4.6
NE		1.0	1.0	1.0	1.0							10.7	4.6
ENE	1.0	1.0	1.0	1.0	1.0							10.7	4.6
E	1.0	1.0	1.0	1.0	1.0							10.7	4.6
ESE	1.0	1.0	1.0	1.0	1.0							10.7	4.6
SE	1.0	1.0	1.0	1.0	1.0							10.7	4.6
SSE	1.0	1.0	1.0	1.0	1.0							10.7	4.6
S	1.0	1.0	1.0	1.0	1.0							10.7	4.6
SSW	1.0	1.0	1.0	1.0	1.0							10.7	4.6
SW	1.0	1.0	1.0	1.0	1.0							10.7	4.6
WSW	1.0	1.0	1.0	1.0	1.0							10.7	4.6
W	1.0	1.0	1.0	1.0	1.0							10.7	4.6
WNW	1.0	1.0	1.0	1.0	1.0							10.7	4.6
NW	1.0	1.0	1.0	1.0	1.0							10.7	4.6
NNW	1.0	1.0	1.0	1.0	1.0							10.7	4.6
VARBL													
CALM												11.7	
	17.4	1.0	11.6	20.7	1.0	1.0	1.0					10.7	4.6

TOTAL NUMBER OF OBSERVATIONS 174

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION 1040 S CHURCH ST, TN 22-12 YEARS NORTH  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	5.0	7.4	1.6							11.0	11.0
NNE	.	2.4	1.0	7.9		.1						14.0	7.6
NE	.	1.0	1.0	1.3								3.3	7.1
ENE		.	.7									1.0	6.7
E	.1		.7									.8	6.7
ESE	.	1.0		.6								1.6	6.7
SE	.1	1.0	1.0	.6								3.0	6.7
SSE	.	1.0	1.0	1.0	.3							3.3	6.7
S	.1	3.0	4.0	6.0								13.0	6.4
SSW	.	1.0	1.0	1.0								4.0	7.8
SW	.	1.0	.7									2.0	7.8
WSW	.1	1.0	.1									1.0	6.9
W	.1	.1	1.0									1.0	6.4
WNW	.1	1.0	.1	.7		.1						1.0	7.7
NW	1.0	1.0	.	.6	.3							3.0	6.5
NNW	.1	1.0	1.0	1.0		.1						4.0	6.4
VARBL													
CALM												6.0	
	1.0	2.0	2.0	21.0	.0	1.0						11.0	7.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1961-1962 MONTH ALL  
CLASS ALL  
CONDITION ALL  
HOURS (LST) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1951-1952 MONTH ALL  
CLASS ALL  
CONDITION ALL  
HOURS ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.	1.	1.	1.	1.							1.	1.
NNE	1.	1.	1.	1.	1.							1.	1.
NE		1.	1.	1.	1.							1.	1.
ENE		1.	1.	1.	1.							1.	1.
E	1.	1.	1.	1.	1.							1.	1.
ESE			1.	1.	1.							1.	1.
SE		1.	1.	1.	1.							1.	1.
SSE		1.	1.	1.	1.	1.						1.	1.
S		1.	1.	1.	1.	1.						1.	1.
SSW		1.	1.	1.	1.	1.						1.	1.
SW		1.	1.	1.	1.	1.						1.	1.
WSW	1.	1.	1.	1.	1.	1.						1.	1.
W	1.	1.	1.	1.	1.	1.						1.	1.
WNW	1.	1.	1.	1.	1.	1.						1.	1.
NW	1.	1.	1.	1.	1.	1.	1.					1.	1.
NNW	1.	1.	1.	1.	1.	1.	1.					1.	1.
VARBL												1.	1.
CALM												1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

4

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1957, 1958 MONTH 1

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0.0	0.0	0.0	0.0							1.0	0.0
NNE	1.0	0.0	0.0	1.0	0.0							1.0	0.0
NE	0.0	1.0	0.0	1.0								2.0	0.0
ENE	0.0	0.0	0.0	1.0								1.0	0.0
E	0.0	0.0	0.0	0.0								0.0	0.0
ESE		0.0	0.0	1.0	0.0							1.0	1.0
SE			0.0	0.0	1.0							1.0	1.0
SSE		1.0	0.0	1.0	1.0	0.0						3.0	1.0
S		0.0	0.0	0.0	0.0							0.0	0.0
SSW	0.0	0.0		0.0								0.0	0.0
SW	0.0											0.0	0.0
WSW		0.0										0.0	0.0
W	0.0	0.0	0.0	0.0								0.0	0.0
WNW		0.0	0.0	0.0								0.0	0.0
NW	0.0		0.0	0.0	0.0							0.0	0.0
NNW	0.0	1.0	1.0	0.0	0.0							2.0	0.0
VARBL													
CALM												1.0	
	0.0	1.0	36.0	31.0	0.0	0.0						1.0	0.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, TENN STATION NAME ASHEVILLE YEARS 1951-1952 MONTH DEC  
CLASS ALL WEATHER  
CONDITION 1  
HOURS (L S T) 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	0.0	0.0	0.0							11.0	11.1
NNE		0.0	0.0	0.0	0.0							10.0	4.0
NE	1.0	1.0	0.0		0.0							0.0	0.0
ENE	0.0	0.0	0.0									0.0	0.0
E	0.0	0.0	0.0	1.0								0.0	0.0
ESE	0.0	0.0	0.0	0.0								0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0							10.1	0.1
SSE	0.0	0.0	0.0	0.0	0.0							13.0	0.9
S	0.0	0.0	0.0	0.0	0.0							9.1	0.0
SSW	0.0											1.0	0.0
SW		0.0										0.0	0.0
WSW													
W	0.0		0.0									1.0	0.0
WNW		0.0	0.0	0.0								1.0	0.0
NW		0.0		0.0		0.0						0.0	11.7
NNW	0.0	0.0	0.0	0.0	0.0							0.0	0.0
VARBL													
CALM												0.0	
	10.0	0.0	0.0	0.0	0.0	0.0						10.0	0.0

TOTAL NUMBER OF OBSERVATIONS 701

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, TENN STATION NAME 73-12 YEARS DEC MONTH 1 HOURS (L S Y)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	4.0	5.0	1.0							14.0	10.0
NNE	1.0	2.0	5.0	0.0	.6							12.0	5.0
NE	.0	.0	1.0	.0								2.0	2.0
ENE	1.0	1.0	2.0									4.0	1.4
E	0.5	1.0	.0									4.0	1.0
ESE	1.0	1.0	1.0	.0								4.0	2.0
SE	1.0	1.0	1.0	1.0								5.0	2.9
SSE	1.0	1.0	0.0	3.0								12.0	.0
S	1.0	3.0	0.0	3.0								13.0	3.1
SSW		.0		1.0								1.0	1.0
SW													
WSW			.0									.0	0.0
W		1.0										1.0	4.0
WNW		.0	.0	.0								1.0	0.0
NW		.0	1.0	.0		.0						2.0	12.0
NNW	.0	1.0	1.0	1.0	1.0							5.0	10.0
VARBL													
CALM												11.0	
	10.0	7.1	30.0	21.0	7.0	.0						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 374

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 STATION ASHEVILLE, NC STATION NAME 77-11 YEARS DEC  
MONTH ALL  
CLASS ALL  
HOURS (L S Y) ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL													
CALM													
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 2471

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 2005 CHRISTI, TEXAS STATION NAME 2005 YEARS ALL MONTH ALL  
CLASS ALL WEATHER  
CONDITION ALL  
HOURS (LST) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	2.0	2.0	.7	.1						6.7	10.1
NNE	.7	1.0	2.0	2.0	.7	.1						6.7	9.7
NE	.4	1.0	1.0	1.1	.1	.1						4.7	6.4
ENE	.7	1.0	1.0	1.1	.1	.1	.0					4.0	6.1
E	.7	2.1	3.4	1.5	.1	.1	.0	.0				7.8	7.9
ESE	.7	1.0	3.0	3.5	.3	.1	.0	.0				10.1	8.5
SE	.7	1.5	5.0	6.6	.8	.1	.1					15.0	10.5
SSE	.7	2.0	5.4	6.7	.9	.1	.0					15.4	10.1
S	1.0	2.1	3.0	1.1	.3	.1						10.0	8.9
SSW	.7	.8	.7	.3	.0							2.0	6.0
SW	.7	.8	.7	.0								1.0	4.0
WSW	.7	.3	.1	.0								.1	4.6
W	.4	.4	.0	.1	.0							1.1	6.0
WNW	.7	.7	.7	.1	.1	.0	.0					.0	7.9
NW	.7	.4	.0	.0	.1	.1	.0					1.0	10.0
NNW	.7	.7	1.0	1.1	.4	.1	.0					3.0	10.5
VARBL													
CALM												.0	
	7.0	17.7	30.4	20.0	6.1	.1	.1	.1				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 20204

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11-11 STATION NAME COOPER'S CHRISTI, TEXAS YEARS 11-12 ALL MONTH  
INSTRUMENT CEIL. WIND TO 1400 FT W/VISIB 1/2 MI OR MORE ALL  
CLASS AN /OR VSBY 1/2 TO 2-1/2 MI /CIG 200 FT OR MORE HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	0.3	6.0	1.7	.7						11.0	11.2
NNE	.4	1.1	.5	3.4	.9	.7						9.1	11.1
NE	.7	1.1	1.7	2.7	.2	.1						5.4	9.7
ENE	.4	.5	1.7	1.5	.2							4.8	9.2
E	.4	.3	2.7	2.5	.2	.7	.7	.0				6.1	9.9
ESE	.7	1.3	2.5	3.3	.4	.1	.7	.0				8.1	10.5
SE	.7	.5	3.7	7.1	1.7	.7	.7					13.3	11.7
SSE	.7	1.7	4.7	5.6	1.7	.7	.7					12.7	10.9
S	.5	1.2	3.2	3.1	.5	.1						8.0	10.0
SSW	.7	.4	.7	.3	.7							1.4	7.5
SW	.5	.3	.7	.7								.7	5.7
WSW	.7	.2	.7	.1								.5	6.3
W	.7	.6	.7	.2								1.2	.6
WNW	.5	.3	.7	.2	.1	.7						1.7	.7
NW	.5	.4	.7	.7	.1	.7	.7					2.0	10.5
NNW	.5	.7	1.7	2.3	.7	.7	.7					6.0	11.1
VARBL													
CALM												2.0	
	.7	14.0	31.0	37.7	7.0	1.0	.2	.5				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 4175

SMOS

CENTRAL-VISIBILITY

NOCD, Federal Building  
Asheville, N. C.

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

# EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
 For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
 Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
 Visibility  $\geq 3$  miles = 95.4%.  
 Visibility  $\geq 2$  miles = 96.9%.  
 Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

## PART D

### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but < 3 miles; or ceiling  $\geq 500$  feet, but < 1500 feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

## PART D

## SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10  
Scattered converted to 3/10  
Broken converted to 9/10  
Overcast converted to 10/10  
Obscured converted to 10/10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS - L E T

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
≥ 12000															
≥ 10000															
≥ 9000															
≥ 8000															
≥ 7000															
≥ 6000															
≥ 5000															
≥ 4500															
≥ 4000															
≥ 3500															
≥ 3000															
≥ 2500															
≥ 2000															
≥ 1800															
≥ 1500															
≥ 1200															
≥ 1000															
≥ 900															
≥ 800															
≥ 700															
≥ 600															
≥ 500															
≥ 400															
≥ 300															
≥ 200															
≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{5}{16}$	$\geq 0$
NO CEILING																
$\geq 20000$																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 20000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 18000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 16000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 14000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 12000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 10000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 9000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 8000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 7000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 6000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 5000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 900	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 700	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 600	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 400	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 300	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING $\geq 20000$																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
≥ 20000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 18000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 16000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 14000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 12000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 10000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 9000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 8000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 7000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 6000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 5000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 900	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 700	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 600	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 400	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 300	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	¼	0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	1.0	47.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 18000	1.0	47.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 16000	1.0	47.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 14000	1.0	47.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 12000	1.0	47.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1951-1954 MONTH ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	7.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	IV ¾	IV ½	IV ¼	≥ 5/16	IV ¼	IV 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 18000 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 14000 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 10000 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 8000 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 6000 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 4500 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 3500 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 2500 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 1800 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 1700 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 900 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 700 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 500 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 300 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV IV 100 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 20000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 18000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 16000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 14000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 12000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 10000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 9000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 8000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 7000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 6000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 5000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 900	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 700	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 600	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 400	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 300	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

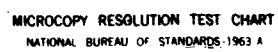
TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

346

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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963 A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME 71-2 YEARS 1961 MONTH ALL  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.2	44.5	41.7	46.0	46.6	46.4	46.7	46.8	46.9	46.8	46.3	46.3	46.3	46.9	47.0	47.2
IV 20000	43.5	44.5	41.0	41.3	42.0	42.0	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.5	42.6
IV 18000	43.7	44.4	41.3	41.4	42.0	42.0	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 16000	43.5	44.2	41.1	41.4	42.1	42.1	42.5	42.4	42.4	42.4	42.4	42.4	42.4	42.5	42.6	42.6
IV 14000	43.4	44.2	41.4	41.7	42.4	42.4	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 12000	43.4	44.1	41.3	41.3	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 10000	43.1	43.8	41.3	41.3	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 9000	43.0	43.7	41.3	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 8000	43.4	43.1	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 7000	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 6000	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 5000	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 4500	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 4000	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 3500	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 3000	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 2500	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 2000	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 1800	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 1500	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 1200	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 1000	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 900	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 800	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 700	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 600	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 500	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 400	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 300	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 200	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 100	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 0	43.4	43.5	41.7	41.7	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3

TOTAL NUMBER OF OBSERVATIONS 2251

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-12

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	31.0	35.0	36.5	35.0	37.1	37.4	37.4	37.4	37.4	37.4	37.7	37.7	37.7	37.7	37.7	37.7
IV 20000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 18000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 16000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 14000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 12000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 10000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 9000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 8000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 7000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 6000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 5000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 4500	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 4000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 3500	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 3000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 2500	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 2000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 1800	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 1500	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 1200	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 1000	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 900	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 800	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 700	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 600	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 500	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 400	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 300	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 200	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 100	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2
IV 0	37.4	41.0	42.6	42.4	43.6	43.9	43.9	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2

TOTAL NUMBER OF OBSERVATIONS

118

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 1 STATION NAME CORPUS CHRISTI, TEXAS YEARS 71-72 MONTH OCT HOURS 11 51

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0
NO CEILING	39.7	36.1	34.1	32.7	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 20000	39.7	41.3	41.3	41.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 18000	35.7	41.3	41.3	41.7	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 16000	35.7	41.3	41.3	41.0	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 14000	35.7	41.3	41.3	41.0	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 12000	36.1	41.3	41.3	42.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 10000	36.1	42.6	42.6	42.9	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 9000	36.1	42.6	42.6	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 8000	36.1	43.2	43.2	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 7000	36.1	43.2	43.2	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 6000	36.1	43.2	43.2	47.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 5000	36.1	46.5	46.5	46.8	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 4500	36.1	46.5	46.5	46.8	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 4000	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 3500	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 3000	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 2500	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 2000	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 1800	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 1500	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 1200	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 1000	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 900	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 800	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 700	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 600	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 500	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 400	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 300	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 200	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 100	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 0	36.1	47.4	47.4	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7

TOTAL NUMBER OF OBSERVATIONS 71

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: CHARLES CHRISTIE, T-400 STATION: 711 YEARS: 1961 MONTH: NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.7	11.3	32.7	32.2	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	34.0
≥ 20000	2.7	6.1	37.4	35.1	35.7	38.7	38.7	35.7	33.7	36.7	36.7	36.7	36.7	36.7	36.7	39.7
IV 18000	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 16000	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 14000	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 12000	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 10000	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 9000	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 8000	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 7000	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 6000	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 5000	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 4500	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 4000	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 3500	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 3000	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 2500	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 2000	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 1800	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 1500	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 1200	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 1000	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 900	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 800	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 700	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 600	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 500	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 400	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 300	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 200	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 100	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7
IV 0	2.7	6.1	37.4	38.1	35.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.7

TOTAL NUMBER OF OBSERVATIONS: 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION NAME

75-72

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 20000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 18000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 16000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 14000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 12000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 10000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 9000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 8000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 7000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 6000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 5000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 4500	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 4000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 3500	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 3000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 2500	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 2000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 1800	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 1500	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 1200	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 1000	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 900	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 800	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 700	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 600	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 500	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 400	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 300	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 200	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 100	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 0	27.7	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4

TOTAL NUMBER OF OBSERVATIONS

710

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, TN DATE: 7-1-62 MONTH: MAY  
 STATION: 71400 YEARS: 12 HOURS (LST): 12

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.7	77.1	57.7	74.4	77.7	78.7	78.7	77.7	77.0	79.0	79.0	79.0	79.0	79.0	79.0	79.7
≥ 20000	74.4	75.5	46.7	47.4	47.1	48.1	46.1	47.1	47.4	47.4	48.4	48.4	47.4	48.4	48.4	47.4
IV 18000	77.7	46.7	46.7	47.7	47.4	48.4	48.4	48.4	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 16000	77.7	46.7	46.7	47.7	47.4	48.4	48.4	48.4	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 14000	77.7	46.7	47.7	46.7	49.4	49.4	49.4	49.4	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	77.7	46.7	47.7	49.0	49.7	49.7	49.7	49.7	50.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 10000	77.7	46.7	50.7	51.0	51.6	51.6	51.6	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 9000	77.7	46.7	50.7	51.3	51.9	51.9	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 8000	77.7	46.7	51.3	53.2	53.9	53.9	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 7000	77.7	46.7	54.2	55.2	55.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 6000	77.7	46.7	54.2	55.2	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 5000	77.7	46.7	54.2	55.2	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 4500	77.7	46.7	56.1	56.1	56.8	56.8	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4000	77.7	46.7	56.1	57.7	58.4	58.4	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3500	77.7	46.7	57.4	58.4	59.0	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 3000	77.7	46.7	59.4	60.7	61.3	61.6	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 2500	77.7	46.7	60.7	63.6	64.3	65.2	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 2000	77.7	46.7	64.3	67.7	68.7	69.4	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 1800	77.7	46.7	67.4	68.7	69.7	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 1500	77.7	46.7	71.7	73.2	74.5	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 1200	77.7	46.7	74.5	76.1	77.1	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 1000	77.7	46.7	77.1	79.4	81.0	82.6	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 900	77.7	46.7	79.4	81.6	82.6	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 800	77.7	46.7	81.6	83.9	85.2	86.1	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 700	77.7	46.7	83.9	86.1	87.7	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 600	77.7	46.7	86.1	88.4	89.7	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 500	77.7	46.7	88.4	90.3	91.6	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 400	77.7	46.7	90.3	92.3	93.9	94.5	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 300	77.7	46.7	92.3	94.5	96.1	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200	77.7	46.7	94.5	96.8	98.4	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	77.7	46.7	96.8	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	77.7	46.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 12

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.2	42.6	44.2	44.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	40.3	53.6	53.1	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 18000	41.1	54.2	53.8	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 16000	41.1	54.2	53.8	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 14000	41.2	54.5	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 12000	42.2	56.1	54.7	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 10000	43.2	56.8	54.7	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 9000	43.2	57.4	55.3	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 8000	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 7000	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 6000	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 5000	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 4500	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 4000	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 3500	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 3000	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 2500	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 2000	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 1800	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 1500	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 1200	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 1000	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 900	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 800	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 700	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 600	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 500	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 400	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 300	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 200	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 100	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 0	44.2	58.7	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: 12  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	70.7	47.7	41.3	41.6	42.3	42.3	42.0	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 20000	70.7	41.3	44.8	50.2	55.8	56.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 18000	70.7	42.6	54.2	55.5	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 16000	70.7	42.6	54.2	55.5	55.4	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 14000	70.7	42.6	54.2	55.8	56.1	56.3	56.3	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	70.7	44.4	54.5	58.4	58.7	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 10000	70.7	45.5	57.1	59.0	59.4	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 9000	70.7	45.5	57.1	59.0	59.4	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 8000	70.7	45.5	57.1	59.0	59.4	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 7000	70.7	46.7	58.1	60.0	60.3	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 6000	70.7	47.1	58.7	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 5000	70.7	47.1	61.0	61.9	62.3	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 4500	70.7	47.1	61.0	61.9	62.3	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 4000	70.7	47.1	61.0	63.6	63.9	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 3500	70.7	47.1	61.0	65.2	65.3	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 3000	70.7	47.1	65.1	66.1	66.4	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 2500	70.7	47.1	64.4	70.3	70.7	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 2000	70.7	47.1	65.5	67.7	71.3	71.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 1800	70.7	45.8	69.7	71.9	72.3	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 1500	70.7	47.1	71.3	73.6	73.9	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1200	70.7	46.4	73.2	75.5	76.1	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1000	70.7	47.1	74.2	76.5	77.4	78.7	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 900	70.7	70.3	75.2	77.7	79.0	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 800	70.7	71.1	75.5	79.7	81.7	82.9	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 700	70.7	72.3	77.8	81.3	82.6	84.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 600	70.7	72.3	77.7	81.6	83.7	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 500	70.7	73.3	78.4	83.0	85.8	87.4	87.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 400	70.7	74.3	80.3	84.8	88.4	90.3	91.0	91.0	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 300	70.7	74.3	80.7	86.1	89.7	91.9	92.8	93.9	94.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 200	70.7	74.3	81.7	86.1	89.7	92.3	93.6	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 100	70.7	74.3	80.7	86.1	89.7	92.3	93.6	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 0	70.7	74.3	80.7	86.1	89.7	92.3	93.6	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 1 STATION NAME HOUSTON, TEXAS YEARS 73-74 MONTH MAY HOURS (LST) 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 18000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 16000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 14000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 12000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 10000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 9000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 8000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 7000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 6000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 5000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 4500	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 4000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 3500	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 3000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 2500	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 2000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 1800	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 1500	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 1200	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 1000	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 900	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 800	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 700	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 600	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 500	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 400	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 300	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 200	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 100	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 0	42.6	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7

TOTAL NUMBER OF OBSERVATIONS 1

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)  
HOURS (L & T) \_\_\_\_\_

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.1	15.0	37.7	46.2	50.6	58.8	57.8	59.9	34.7	39.0	50.0	39.0	35.7	46.0	35.1	1.0
≥ 20000	75.0	44.0	44.5	46.1	45.7	46.9	47.5	47.0	47.7	47.1	47.1	47.1	47.1	47.1	47.7	47.0
IV 18000	1.1	44.0	45.7	46.4	46.0	47.1	47.1	47.2	47.7	47.3	47.3	47.3	47.4	47.4	47.5	47.0
IV 16000	1.1	44.0	45.7	46.4	46.0	47.1	47.1	47.2	47.7	47.3	47.3	47.3	47.4	47.4	47.5	47.0
IV 14000	1.1	44.0	45.7	46.7	47.0	47.5	47.5	47.7	47.8	47.7	47.7	47.7	47.7	47.7	47.9	47.0
IV 12000	1.1	45.0	47.7	48.0	48.6	48.7	48.7	48.5	48.9	48.9	48.9	48.9	48.9	48.9	49.0	48.0
IV 10000	1.1	46.0	48.3	48.9	49.5	49.7	49.7	49.4	49.8	49.9	49.9	49.9	49.9	49.9	50.1	49.0
IV 9000	1.1	47.1	48.5	49.3	49.9	50.2	50.2	50.0	50.2	50.2	50.3	50.3	50.3	50.3	50.4	49.0
IV 8000	1.1	48.1	49.5	50.3	50.9	51.1	51.1	51.0	51.1	51.3	51.3	51.3	51.3	51.3	51.4	50.0
IV 7000	1.1	48.4	50.4	51.4	52.0	52.6	52.6	52.7	53.0	53.1	53.2	53.2	53.2	53.2	53.6	50.0
IV 6000	1.1	49.0	51.1	52.0	52.7	53.0	53.0	53.2	53.5	53.6	53.6	53.6	53.6	53.6	53.7	50.0
IV 5000	1.1	50.0	52.7	53.3	53.9	54.5	54.5	54.7	54.9	55.0	55.0	55.0	55.0	55.0	55.4	50.0
IV 4500	1.1	1.2	53.0	53.8	54.4	54.9	54.9	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.9	50.0
IV 4000	1.1	12.1	54.0	54.3	54.4	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.4	50.0
IV 3500	1.1	12.7	54.5	55.5	56.0	56.5	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.8	50.0
IV 3000	1.1	54.4	56.5	57.6	58.0	58.6	58.6	58.7	58.9	58.9	58.9	58.9	58.9	58.9	59.0	50.0
IV 2500	1.1	56.1	57.0	57.6	58.0	58.1	58.2	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	50.0
IV 2000	1.1	58.0	58.6	59.0	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	50.0
IV 1800	1.1	59.4	60.3	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	50.0
IV 1500	1.1	60.7	61.0	61.3	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	50.0
IV 1200	1.1	64.7	67.6	69.4	70.9	71.3	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	50.0
IV 1000	1.1	65.0	67.0	71.7	73.4	74.0	74.4	74.5	74.7	74.6	74.6	74.6	74.6	74.6	74.6	50.0
IV 900	1.1	66.0	70.8	72.3	74.0	74.6	75.1	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4	50.0
IV 800	1.1	67.0	71.0	74.0	75.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	50.0
IV 700	1.1	68.0	72.0	75.4	77.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	50.0
IV 600	1.1	69.0	73.0	76.7	79.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	50.0
IV 500	1.1	70.0	74.0	77.6	81.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	50.0
IV 400	1.1	71.0	77.2	80.4	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	50.0
IV 300	1.1	72.1	77.7	81.5	85.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	50.0
IV 200	1.1	72.1	77.7	81.5	85.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	50.0
IV 100	1.1	72.1	77.7	81.5	85.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	50.0
IV 0	1.1	72.1	77.7	81.5	85.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	50.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 20000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 18000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 16000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 14000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 12000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 10000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 9000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 8000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 7000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 6000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 5000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 4500	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 4000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 3500	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 3000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 2500	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 2000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1800	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1500	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1200	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1000	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 900	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 800	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 700	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 600	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 500	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 400	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 300	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 200	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 100	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.0	11.0	31.0	71.0	91.0	12.0	32.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 20000	4.0	11.0	34.7	70.7	37.3	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
IV 18000	4.0	30.0	30.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
IV 16000	4.0	30.0	37.0	37.0	37.0	18.0	30.0	18.0	14.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
IV 14000	4.0	37.0	37.0	37.0	37.0	18.0	29.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
IV 12000	4.0	37.0	30.0	30.0	30.0	19.0	30.0	18.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
IV 10000	4.0	30.0	37.0	30.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 9000	4.0	30.0	30.0	30.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 8000	4.0	30.0	30.0	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 7000	4.0	41.0	40.0	43.0	44.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 6000	4.0	41.0	40.0	43.0	44.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 5000	4.0	42.0	44.0	44.0	45.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 4500	4.0	42.0	44.0	44.0	45.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 4000	4.0	42.0	40.0	43.0	47.0	46.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 3500	4.0	44.0	40.0	47.0	46.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 3000	4.0	45.0	40.0	50.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 2500	24.0	40.0	51.0	53.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 2000	4.0	1.0	54.0	40.0	57.0	48.0	54.0	40.0	42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1800	4.0	1.0	50.0	47.0	50.0	49.0	50.0	40.0	40.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1500	4.0	1.0	50.0	42.0	45.0	45.0	46.0	40.0	40.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1200	4.0	1.0	40.0	40.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1000	4.0	1.0	40.0	40.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 900	4.0	1.0	40.0	60.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 800	4.0	1.0	40.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 700	4.0	1.0	40.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 600	4.0	1.0	40.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 500	4.0	40.0	40.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 400	4.0	40.0	40.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 300	4.0	40.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 200	4.0	40.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 100	4.0	40.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 0	4.0	40.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 10700 STATION NAME ASHEVILLE, TEXAS YEARS 71-72 MONTH 1  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS 11 5 7 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 18000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 16000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 14000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 12000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 10000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 9000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 8000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 7000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 6000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 5000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 4500	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 4000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 3500	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 3000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 2500	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 2000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 1800	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 1500	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 1200	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 1000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 900	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 800	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 700	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 600	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 500	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 400	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 300	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 200	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 100	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION NAME YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION NAME: CHRISTI, TEXAS  
 STATION: 73-1  
 YEARS: 1961-1962  
 MONTH: 1  
 HOURS (LST): 1

 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 18000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 16000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 14000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 12000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 10000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 9000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 8000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 7000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 6000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 5000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 4500	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 4000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 3500	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 3000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 2500	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 2000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 1800	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 1500	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 1200	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 1000	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 900	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 800	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 700	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 600	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 500	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 400	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 300	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 200	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 100	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 0	47.7	44.7	40.7	47.7	44.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 1 STATION NAME ASHEVILLE, NC YEARS 1951, 1952 AD 01  
 NORTH 01  
 HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 20000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 18000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 16000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 14000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 12000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 10000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 9000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 8000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 7000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 6000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 5000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 4500	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 4000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 3500	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 3000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 2500	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 2000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 1800	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 1500	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 1200	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 1000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 900	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 800	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 700	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 600	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 500	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 400	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 300	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 200	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 100	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3

TOTAL NUMBER OF OBSERVATIONS 403

DIRNAVOCEANMET SMOS

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	22.7	27.0	31.9	34.4	38.1	40.4	42.0	43.1	43.7	44.2	44.7	45.2	45.7	46.2	46.7	47.2
≥ 20000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
18000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
16000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
14000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
12000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
10000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
9000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
8000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
7000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
6000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
5000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
4500	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
4000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
3500	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
3000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
2500	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
2000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
1800	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
1500	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
1200	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
1000	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
900	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
800	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
700	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
600	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
500	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
400	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
300	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
200	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
100	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2
0	23.7	28.0	32.9	35.4	39.1	41.4	43.0	44.1	44.7	45.2	45.7	46.2	46.7	47.2	47.7	48.2

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOY

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1951, 1952 MONTH NOVEMBER

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.0	71.0	34.0	28.0	27.0	27.0	26.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0
≥ 20000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 18000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 16000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 14000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 12000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 10000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 9000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 8000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 7000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 6000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 5000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 4500	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 4000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 3500	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 3000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 2500	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 2000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 1800	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 1500	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 1200	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 1000	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 900	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 800	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 700	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 600	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 500	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 400	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 300	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 200	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 100	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7
IV 0	1.0	77.1	4.0	43.6	45.5	47.4	47.7	45.4	44.9	42.7	41.7	40.7	39.7	38.7	37.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 1 STATION NAME ASHEVILLE, NC YEARS 1951-1952 MONTH ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
**PERCENTAGE FREQUENCY OF OCCURRENCE**  
**(FROM HOURLY OBSERVATIONS)** 1  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L &amp; T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

PORT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 20000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 18000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 16000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 14000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 12000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 10000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 9000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 8000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 6000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 5000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 2500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 2000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1800	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1200	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 900	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 800	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 700	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 600	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 400	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 300	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 200	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 100	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

**STATION**

STATION NAME

	YEAR	1970	1980	1990	2000	2006
Population	(millions)	1.2	1.5	1.6	1.7	1.8
GDP	(billions of dollars)	1.0	1.5	2.0	2.5	3.0
Per capita GDP	(dollars)	833	1,000	1,250	1,471	1,667
Life expectancy at birth	(years)	54	60	65	69	71
Infant mortality rate	(per 1,000 live births)	100	70	50	35	30
Fertility rate	(children per woman)	6.0	5.0	4.0	3.0	2.5
Urban population	(percent of total)	20	30	40	50	55
Rural population	(percent of total)	80	70	60	50	45
Employment	(millions)	1.0	1.2	1.3	1.4	1.5
Unemployment	(percent of labor force)	16.7	20.0	16.7	16.7	16.7
Government expenditure	(percent of GDP)	10	12	15	18	20
Health expenditure	(percent of GDP)	2	3	4	5	6
Education expenditure	(percent of GDP)	3	4	5	6	7
Defense expenditure	(percent of GDP)	5	5	6	7	8
Foreign aid received	(billions of dollars)	0.1	0.2	0.3	0.4	0.5
Foreign debt	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Exports	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Imports	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Trade balance	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Balance of payments	(billions of dollars)	-0.5	-0.5	-0.5	-0.5	-0.5
Reserve assets	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Central bank capital	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Monetary base	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
M2 money stock	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Currency in circulation	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Bank deposits	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Insurance premium income	(billions of dollars)	0.1	0.2	0.3	0.4	0.5
Social security contributions	(billions of dollars)	0.1	0.2	0.3	0.4	0.5
Government revenue	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Government expenditure	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Public sector deficit	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Public sector debt	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Private sector savings	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Corporate savings	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Household savings	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Government savings	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Total savings	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Investment	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Fixed capital formation	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Consumption	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Government consumption	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Private consumption	(billions of dollars)	0.5	1.0	1.5	2.0	2.5
Net exports	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net imports	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net foreign investment	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net capital flows	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net financial flows	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net current transfers	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net primary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net secondary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net tertiary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net quaternary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net quinary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net sextenary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net septenary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net octenary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net nony income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net decenary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net undecenary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net duodecenary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net tredecenary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net quattuordecenary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net quindecenary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net sexdecenary income	(billions of dollars)	0.0	0.0	0.0	0.0	0.0
Net septendecenary income	(billions of dollars)	0.0	0.0	0.0		

## NOTES

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NOV 26 11 57

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 18000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 16000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 14000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 12000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 10000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 9000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 8000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4500	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3500	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2500	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1800	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1500	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1200	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1000	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 900	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 800	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 700	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 600	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 500	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 400	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 300	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 200	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 100	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 0	7.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 20000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 18000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 16000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 14000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 12000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 10000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 9000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 8000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 7000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 6000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 5000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 900	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 700	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 600	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 400	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 300	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 18000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 16000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 14000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 12000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 10000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 9000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 8000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 7000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 6000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 5000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 4500	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 4000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 3500	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 3000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 2500	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 2000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1800	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1500	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1200	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1000	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 900	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 800	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 700	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 600	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 500	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 400	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 300	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 200	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 100	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 0	•	•	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
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IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 20000	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	7.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	7.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	7.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	7.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	57.5	71.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOVEMBER 1951

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE I L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 20000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 18000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 16000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 14000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 12000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 10000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 9000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 8000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 7000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 6000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 5000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 900	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 700	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 600	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 400	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 300	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
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IV 1800																
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IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 4500																
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IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
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IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 4500																
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IV 1800																
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IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	•	7.3	5.7	4.7	3.7	2.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 20000	•	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 18000	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 16000	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 14000	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 12000	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 10000	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 9000	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 8000	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 7000	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 6000	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 5000	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 4500	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 4000	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 3500	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 3000	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 2500	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 2000	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 1800	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 1500	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 1200	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 1000	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 900	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 800	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 700	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 600	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 500	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 400	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 300	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 200	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 100	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
IV 0	•	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 20000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 18000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 16000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 14000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 12000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 10000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 6000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1800	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1200	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 900	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 800	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 700	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 600	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 400	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 300	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 200	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 100	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

111  
HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
≥ 20000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 18000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 16000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 14000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 12000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 10000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 9000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 8000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 7000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 6000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 5000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 4500	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 4000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 3500	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 3000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 2500	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 2000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 1800	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 1500	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 1200	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 1000	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 900	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 800	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 700	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 600	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 500	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 400	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 300	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 200	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 100	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
IV 0	1.7	7.7	7.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE IL S Y

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
≥ 20000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 18000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 16000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 14000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 12000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 10000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 9000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 8000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 7000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 6000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 5000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 4500	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 4000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 3500	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 3000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 2500	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 2000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1800	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1500	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1200	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 1000	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 900	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 800	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 700	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 600	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 500	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 400	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 300	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 200	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 100	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
IV 0	1.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: STATION NAME: YEARS: MONTH: HOURS (L & T):

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 20000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 18000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 16000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 14000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 12000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 10000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 9000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 8000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 7000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 6000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 5000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 900	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 700	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 600	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 400	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 300	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 20000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 18000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 16000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 14000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 12000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 10000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 9000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 900	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 700	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 600	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 400	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 300	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 100	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 20000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 18000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 16000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 14000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 12000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 10000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 6000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1800	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1200	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 900	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 800	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 700	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 600	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 400	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 300	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 200	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 100	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.7	2.7	5.2	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 20000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 18000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 16000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 14000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 12000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 10000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 9000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 8000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 7000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 6000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 5000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 4500	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 4000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 3500	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 3000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 2500	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 2000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1800	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1500	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1200	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1000	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 900	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 800	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 700	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 600	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 500	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 400	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 300	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 200	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 100	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 0	1.7	1.7	6.1	11.3	16.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
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IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 4500																
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IV 3500																
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IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
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IV 900															
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IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq 0$
NO CEILING															
$\geq 20000$															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
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IV 4500															
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IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5-16	≥ ¼	≥ 0
NO CEILING	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
≥ 20000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 18000 16000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 14000 12000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 10000 9000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 8000 7000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 6000 5000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4500 4000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3500 3000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2500 2000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1800 1500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1200 1000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 900 800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 700 600	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 500 400	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 300 200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 100 0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 20000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 18000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 16000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 14000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 12000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 10000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 9000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 8000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 7000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 6000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 5000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 900	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 700	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 600	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 400	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 300	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET 5MDS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
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IV 4500															
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IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEAN ET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEAN/MET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

NAVWEASERVCOM

STATION

CHURCH HISTORY, 1845

STATION NAME

PERIOD

5.  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN.		2.0			17.5						13.0	41.5	1.0	10
FEB.		2.0			14.5						17.0	46.5	.2	10
MAR.		28.0			11.7						11.0	49.8	1.3	10
APR.		2.0			14.5						16.0	44.9	.5	10
MAY	1	2.0			15.0						21.0	42.0	1.6	10
JUN.	1	2.0			21.2						17.7	36.5	1.0	100
JULY	1	21.0			24.1						13.0	34.0	1.0	100
AUG.	21	21.0			19.1						19.7	36.0	1.2	100
SEPT.														
OCT.														
NOV.														
DEC.														
TOTALS		21.3			11.0						16.1	41.0	1.2	215

NAVWEASERVCOM

STATION

COLEMAN CHRISTY, TEXAS  
STATION NAME

77-2

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

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## 4

STATION

STATION NAME

PERIOD

**MONTH**

\_\_\_\_\_

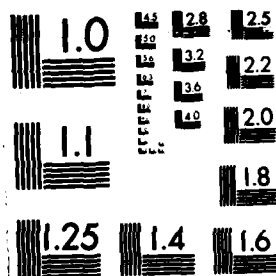
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SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
CORPUS CHRISTI TEXAS(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC. NOV 83

F/G 4/2

NI

END  
DATE  
FORMED  
7 85  
BY



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

## SKY COVER

48Y  
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00	15.5			20.3						25.8	37.4	6.7	310
	03	13.1			22.3						26.8	32.9	6.4	310
	06	15.8			15.8						33.2	35.2	7.0	310
	09	13.4			15.8						35.2	30.6	6.7	310
	12	14.2			24.2						32.9	28.7	6.6	310
	15	17.1			29.0						29.7	24.2	6.0	310
	18	15.8			25.2						37.7	21.3	6.3	310
	21	15.5			22.9						35.2	26.5	6.5	310
TOTALS		16.4			21.9						32.1	29.6	6.5	2480

NAVWEASERVCOM

# SKY COVER

17926 CORPUS CHRISTI, TEXAS

77-92

JUN

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00	22.7			42.3						27.3	7.7	4.5	300
	01	20.3			43.0						24.0	12.7	4.7	300
	02	12.7			38.7						36.7	12.0	5.7	300
	03	11.3			21.7						51.3	13.7	6.7	300
	04	11.0			37.0						32.3	12.7	5.0	300
	05	13.7			43.7						32.7	10.0	5.3	300
	06	16.7			40.7						35.7	7.0	5.1	300
	07	14.7			46.3						27.7	7.3	4.6	300
TOTALS		15.9			39.8						38.3	10.8	5.3	2400

NAVWEASERVCOM

JUL

## MEMORANDUM

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	20	23.9			46.5						21.3	8.4	4.1	310
	23	15.5			54.8						21.0	8.7	4.4	310
	26	12.9			42.9						33.2	11.0	5.4	310
	29	13.5			34.2						41.3	11.0	5.8	310
	12	12.9			41.9						34.8	10.3	5.4	310
	15	16.5			44.2						29.4	10.0	5.0	310
	18	16.9			43.5						25.5	14.2	5.0	310
	21	20.6			46.8						24.5	8.1	4.4	310
TOTALS		15.6			44.4						28.9	10.2	4.9	2400

NAVWEASERVCOM

## SKY COVER

AUG

## STATIONS

STATION NAME

**DESIGN**

**MOMENT**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00	16.1			50.0						25.8	2.1	4.6	310
	03	17.1			51.6						23.2	2.1	4.4	310
	06	11.4			39.4						47.6	8.4	5.7	310
	09	17.9			27.4						45.5	12.3	6.2	310
	12	10.3			35.2						41.0	13.5	6.1	310
	15	13.2			38.4						36.8	11.6	5.6	310
	18	16.1			32.3						37.7	13.9	5.8	310
	21	13.9			50.0						27.1	9.0	4.8	310
TOTALS		14.0			40.5						34.3	10.6	5.4	2480

NAVWEASERVCOM

# SKY COVER

12426 CONJIS CHRISTI, TEXAS

73-82

SEP

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00	25.7			42.0						21.3	11.0	4.3	300
	03	23.0			46.3						18.0	12.7	4.3	300
	06	16.0			44.3						27.0	12.7	5.0	300
	09	15.0			33.3						34.0	17.7	5.8	300
	12	14.7			39.7						30.7	15.0	5.5	300
	15	15.3			41.7						31.0	12.0	5.2	300
	18	23.7			34.3						28.7	16.3	5.2	300
	21	22.0			36.3						22.0	12.7	4.3	300
TOTALS		19.9			39.7						26.6	13.8	5.0	2400

NAVWEASERVCOM



## SKY COVER

12926	CORPUS CHRISTI, TEXAS	73-A2	OCT
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00	34.2			33.9						17.7	14.2	4.0	310
	01	33.5			36.5						14.2	15.8	4.0	310
	04	29.6			41.6						18.4	19.4	4.8	310
	06	16.5			39.7						27.7	18.1	5.5	310
	12	16.5			36.8						30.0	16.8	5.5	310
	15	14.2			44.5						26.5	14.8	5.2	310
	18	18.1			38.7						28.4	14.8	5.2	310
	21	30.6			35.2						18.1	16.1	4.3	310
TOTALS		22.9			38.2						22.6	16.3	4.8	2400

NAVWEASERVCOM

# SKY COVER

17926 COPPIN CHRISTI, ILKAS

73-82

NOV

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00	37.7			19.0						20.0	23.3	4.7	300
	03	32.7			23.3						13.7	30.3	5.0	300
	06	31.3			23.7						17.0	28.0	5.0	300
	09	23.3			28.3						16.0	32.3	5.5	300
	12	21.0			25.0						24.0	30.0	5.9	300
	15	23.0			30.3						21.3	25.3	5.4	300
	18	24.3			31.7						19.7	24.3	5.2	300
	21	35.3			22.7						16.3	25.7	4.7	300
TOTALS		28.6			25.5						18.5	27.4	5.2	2400

NAVWEASERVCOM

## SKY COVER

12926 CORPUS CHRISTI, TEXAS  
STATION STATION NAME

73-82

PERIOD

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
GFC	00	30.7			18.1						13.6	37.5	5.5	309
	03	22.4			18.8						17.2	34.6	5.6	309
	06	28.2			16.2						17.8	37.9	5.9	309
	09	18.4			14.9						23.9	42.7	6.9	309
	12	16.8			22.0						22.7	38.5	6.6	309
	15	22.3			22.0						19.1	36.6	6.0	309
	18	18.8			23.7						20.9	36.7	5.3	308
	21	32.5			15.6						16.6	34.4	5.4	308
TOTALS		24.6			19.0						19.0	37.4	6.0	2470

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# SKY COVER

12226 CORPUS CHRISTI, TEXAS

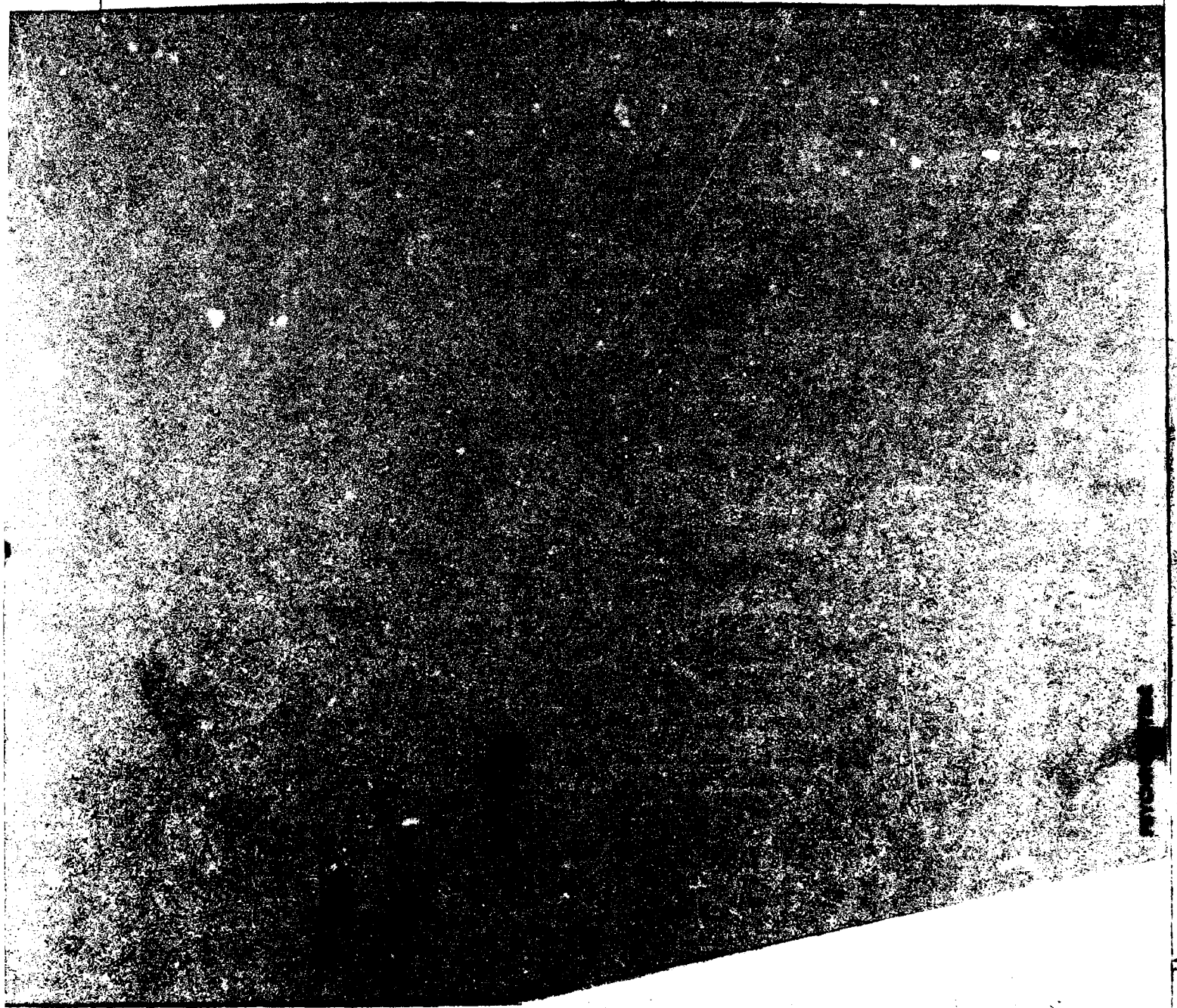
73-82

ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	16.9			16.6						15.7	50.8	7.0	2479
FEB		21.3			18.6						16.1	41.9	6.2	2256
MAR		17.2			15.7						17.3	49.3	7.0	2480
APR		17.2			16.5						22.3	43.7	6.9	2470
MAY		16.4			21.9						32.1	29.6	6.5	2480
JUN		15.0			30.4						34.3	10.4	5.3	2470
JUL		13.6			44.4						28.9	10.2	4.9	2480
AUG		14.0			40.5						34.8	10.6	5.4	2480
SEP		19.9			39.7						26.6	13.8	5.0	2470
OCT		22.0			38.2						22.6	16.3	4.8	2480
NOV		28.6			25.5						14.5	27.4	5.2	2470
DEC		24.6			19.0						19.0	37.4	6.0	2470
TOTALS		19.5			28.0						24.1	28.5	5.9	29205

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NOCD, Federal Building  
Asheville, N. C.

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.  
This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma X$ ). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

# DAILY TEMPERATURES

STATION 1 STATION NAME 4-1 YEARS

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
100								0.1	0.4				0
99				0.1	0.3	0.2	4.7	6.4	2.4	0.3			1.4
98		0.1	0.3	1.1	3.1	15.4	62.2	64.3	42.2	5.2		0.1	1.1
97		0.3	2.7	7.5	44.2	80.0	98.2	95.6	82.1	34.6	4.4	0.3	3.9
96	1.1	4.2	14.2	42.0	86.9	99.0	100.0	99.8	96.8	73.5	35.8	5.4	54.9
95	1.1	23.3	42.3	81.4	98.2	100.0		100.0	99.2	89.5	55.2	24.5	60.5
94	7.7	44.9	71.9	93.6	99.3				99.9	96.6	72.1	46.2	80.4
93	10.0	84.5	95.7	98.4	100.0				100.0	98.9	83.3	66.3	97.7
92	10.4	76.7	92.6	99.7						99.4	91.2	80.5	90.7
91	7.7	80.8	97.6	100.0						100.0	96.2	89.6	90.1
90	10.1	85.6	99.1								99.7	95.7	90.2
89	10.1	88.2	99.7								99.7	96.8	90.3
88	17.7	99.4	100.0								100.0	99.7	90.7
87	19.4	99.9										100.0	90.9
86	19.7	100.0											100.0
85	100.0												100.0
84													
83													
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2													
1													
0													
MEAN	50.0	60.0	70.0	75.0	80.0	85.0	90.0	90.0	80.0	70.0	60.0	50.0	70.0
S.D.	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.5	0.5	1.0
TOTAL OBS.	1107	1040	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100

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4

## DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

IN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
14						.1		.1	.1	.1			.4
15					1.9	6.6	49.7	44.1	26.3	4.2			1.7
16				4.7	44.1	8.9	94.5	93.6	75.0	26.9	2.3		3.1
17	.3	.4	5.8	40.6	79.8	97.9	99.0	99.7	92.4	56.9	17.2	2.4	4.7
18	7.8	9.6	71.2	71.5	93.5	9.9	100.0	100.0	98.7	76.3	35.1	13.5	61.7
19	21.2	27.1	56.5	49.2	99.1	100.0			100.0	90.2	55.5	27.5	71.7
20	34.4	45.7	75.0	95.4	99.8					97.6	70.8	43.4	8.1
21	41.3	65.3	87.2	99.4	100.0					99.8	85.0	65.6	8.1
22	61.9	79.2	94.7	99.9						100.0	93.5	83.9	97.3
23	74.0	92.1	98.4	100.0							98.5	92.9	97.7
24	97.7	97.5	99.7								99.6	98.4	99.1
25	97.4	99.7	99.8								100.0	99.4	99.7
26	99.7	99.8	100.0									100.0	99.9
27	99.9	100.0											100.0
28	100.0												100.0
29													100.0
30													100.0
31													100.0
32													100.0
33													100.0
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96													100.0
97													100.0
98													100.0
99													100.0
100													100.0
MEAN	4.1	52.7	50.4	56.4	72.9	77.9	78.7	78.8	76.5	69.6	60.0	53.4	66.4
S.D.	10.1	1.971	5.736	5.478	4.358	3.176	2.213	2.566	4.193	6.934	9.200	9.011	12.479
TOTAL OBS.	110	1086	1141	1179	1146	1110	1175	1147	1117	1176	1149	1147	11470

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# DAILY TEMPERATURES

STATION

41577, T. 140

41-577

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

71 A.

TEMP. (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
2													
3					1.4	25.8	60.4	81.5	30.4	3.7			18.7
4				6.2	40.9	71.8	98.0	96.0	82.8	31.4	2.2		37.8
5			8.6	42.7	56.4	79.8	100.0	100.0	90.1	65.7	71.9	3.1	52.4
6	11.2	13.7	38.5	78.8	97.0	100.0			99.5	86.5	44.9	17.1	64.0
7	2.2	34.2	65.5	92.9	99.8				100.0	95.4	65.4	34.3	71.5
8	13.1	56.2	83.1	98.1	100.0					98.6	80.2	57.3	88.9
9	27.2	74.2	91.5	99.8						99.8	90.7	76.5	91.7
10	37.0	87.9	97.0	100.0						100.0	96.5	89.5	95.5
11	64.2	95.6	99.3								99.3	96.2	98.3
12	88.2	98.8	99.7								99.8	99.0	99.4
13	94.4	99.7	100.0								100.0	99.9	99.8
14	99.4	100.0										100.0	100.0
15	100.0												100.0
16													
17													
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19													
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94													
95													
96													
97													
98													
99													
100													
MEAN	72.2	60.1	56.2	72.0	78.5	81.4	84.5	84.0	72.6	76.1	67.0	60.6	72.0
S.D.	6.100	6.477	7.241	5.038	3.771	2.699	1.956	2.462	3.813	5.966	8.512	6.501	11.701
TOTAL OBS.	1147	1040	1146	1139	1146	1110	1173	1147	1110	1176	1130	1147	13030

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NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

CORPUS CHRISTI, TEXAS

1946-1987

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE		
	° F	° C	° F	° C	° F	° C		° F	° C	° F	° C			
1	56.1	13.7	63.2	17.3	75	25.6	1966	50.0	10.0	25	-1.1	1979		
2	58.1	14.5	64.4	18.0	82	27.8	1976	51.8	11.0	23	-5.0	1979		
3	56.7	13.7	63.0	17.2	79	26.1	1971*	50.5	10.3	25	-2.2	1979		
4	54.7	12.6	62.3	16.8	79	26.1	1955	47.2	8.4	26	-3.3	1947		
5	55.4	13.0	62.2	16.8	77	25.0	1978	48.5	9.2	20	-1.1	1947		
6	56.6	13.6	63.1	17.3	79	26.1	1978	49.8	9.9	20	-1.1	1970		
7	55.6	13.1	62.6	17.0	79	26.1	1975	48.5	9.2	25	-2.2	1970		
8	58.1	13.4	63.1	17.3	84	28.9	1953	49.2	9.6	26	-3.3	1976		
9	56.1	13.4	63.1	17.3	77	25.6	1972	49.2	9.6	26	-3.3	1957		
10	55.3	12.9	62.6	17.0	77	25.6	1978*	49.1	8.9	21	-6.1	1967		
11	54.7	12.6	62.1	16.7	77	25.0	1980*	47.2	8.4	20	-6.7	1973		
12	55.1	12.8	61.6	16.4	77	25.0	1971	48.5	9.2	19	-7.2	1962		
13	55.4	13.3	62.9	17.2	80	26.7	1972	49.0	9.4	23	-3.9	1963		
14	57.3	14.1	64.3	17.9	83	28.3	1960	50.3	10.2	28	-2.2	1982		
15	57.9	14.4	65.6	18.7	77	25.6	1980	50.3	10.2	35	1.7	1972		
16	56.7	13.5	64.4	18.0	75	25.6	1978	48.2	9.0	23	.6	1972		
17	55.4	13.0	61.4	16.3	76	24.4	1978*	49.4	9.7	21	-0.6	1957		
18	56.4	13.6	63.2	17.3	77	25.0	1952*	49.7	9.8	35	1.7	1949		
19	58.4	13.8	63.4	17.4	77	25.0	1980*	50.2	10.1	20	-1.1	1963		
20	57.1	13.9	63.9	17.7	83	28.3	1972	50.3	10.2	27	-2.8	1963		
21	57.3	14.1	64.5	18.1	77	25.0	1969	50.2	10.1	20	-1.1	1963		
22	58.4	14.7	65.5	18.6	81	26.7	1972	51.4	10.8	22	.0	1954		
23	57.0	13.9	63.9	17.7	78	25.6	1969	50.3	10.1	26	-3.3	1963		
24	56.7	13.7	64.0	17.8	82	26.7	1972	49.5	9.7	21	-6.1	1953		
25	58.6	14.8	66.3	19.1	82	26.7	1976	50.8	10.4	34	1.1	1961		
26	59.7	15.0	66.4	19.1	71	25.6	1950	51.6	10.9	34	1.1	1951		
27	58.6	14.8	65.1	18.4	81	26.7	1977	52.2	11.2	30	-1.1	1948		
28	58.4	14.7	65.6	18.7	81	27.2	1977	51.1	10.6	26	-3.3	1948		
29	56.1	14.4	65.1	18.4	71	26.1	1975*	50.8	10.4	26	-3.3	1951		
30	57.4	14.1	64.6	18.1	84	28.9	1971	50.2	10.1	20	-6.7	1951		
31	57.7	14.3	64.3	17.9	84	28.7	1975	51.2	10.7	21	-6.1	1940		
Monthly	56.4	13.8	63.8	17.7	84	28.9	1971*	49.8	9.9	19	-7.2	1967		

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

CORPUS CHRISTI, TEXAS

1946-1982

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	55.9	14.9	65.5	18.6	81	26.7	1975	52.4	11.3	21	-6.1	1951
2	57.0	13.9	63.9	17.7	86	30.0	1963	50.1	10.1	22	-5.6	1951
3	56.0	13.3	62.6	17.0	81	27.2	1954*	49.4	9.7	22	-1.1	1951
4	58.4	14.7	65.9	18.8	81	30.0	1954	50.8	10.4	34	1.1	1956
5	60.1	15.6	67.2	19.6	79	26.1	1954	53.0	11.7	34	1.1	1962
6	58.8	14.9	66.2	19.7	81	27.2	1969	51.4	10.8	20	-1.1	1972
7	57.3	14.1	64.0	17.8	77	25.0	1957	50.6	10.3	34	1.1	1975
8	57.7	14.3	65.5	18.6	72	25.6	1963	49.9	9.9	22	.0	1971
9	58.1	14.5	65.9	18.8	86	30.0	1962	50.7	10.2	34	1.1	1970
10	58.8	14.9	66.4	19.1	82	27.8	1981	51.2	10.7	34	1.1	1960
11	59.6	15.3	67.1	19.5	82	27.8	1954	52.0	11.1	28	-2.2	1981
12	59.7	15.4	66.8	19.3	81	27.2	1978	52.6	11.4	30	-1.1	1963
13	59.2	15.1	67.0	19.4	80	26.7	1976	51.5	10.8	22	.0	1963*
14	60.1	15.6	67.2	19.6	81	26.7	1957	52.9	11.6	22	.0	1963*
15	60.8	16.0	67.4	19.7	85	29.4	1962	54.2	12.3	35	1.7	1951
16	60.0	15.6	67.6	19.8	85	30.0	1982	52.3	11.3	25	1.7	1979
17	60.0	15.6	66.3	19.1	85	29.4	1972	53.8	12.1	33	.6	1980
18	60.7	15.9	66.3	19.3	82	27.8	1974	54.6	12.6	36	2.2	1979
19	61.0	16.1	67.6	19.8	81	26.7	1971*	54.5	12.5	29	1.9	1970*
20	61.2	16.2	67.3	19.6	79	26.1	1976	55.1	12.8	41	5.0	1968
21	60.4	15.8	67.2	19.6	83	28.3	1987	53.6	12.0	21	3.3	1955
22	59.6	15.3	66.9	19.4	81	27.2	1975	52.4	11.3	36	2.2	1978*
23	61.2	16.2	63.6	20.3	83	28.3	1977	53.8	12.1	24	1.1	1968
24	60.7	15.9	68.2	20.1	83	28.7	1977	53.1	11.7	34	1.1	1965*
25	61.3	16.3	69.5	20.3	81	26.7	1971	54.1	12.3	31	-0.6	1960
26	62.3	16.8	68.7	20.4	81	29.4	1971	55.9	13.3	40	4.4	1952
27	62.9	17.2	70.0	21.1	94	34.4	1954	55.3	13.2	37	2.8	1952
28	62.9	17.2	69.6	20.9	81	26.7	1978*	56.2	13.4	36	2.2	1962
29	63.1	17.3	69.1	20.7	81	26.7	1976	57.0	13.9	43	6.1	1960
30												
31												
Monthly	59.8	15.4	66.9	19.4	90	34.4	1954	52.3	11.6	21	-6.1	1951

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

CORPUS CHRISTI, TEXAS

1945-1982

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	63.4	17.4	69.3	20.7	90	32.2	1975		57.4	14.1	35	1.7	1962	
2	63.0	17.2	69.6	20.9	86	30.0	1971		56.5	13.6	25	-3.9	1980	
3	63.6	17.6	70.1	21.2	84	28.9	1953		57.1	13.9	37	2.8	1960	
4	63.4	17.4	69.8	21.0	85	30.0	1981		57.0	13.9	37	2.8	1978	
5	62.4	16.9	68.5	20.3	82	27.8	1976		56.3	13.5	37	2.8	1965	
6	62.5	16.9	69.6	20.9	87	30.6	1973		55.3	12.9	40	4.4	1980	
7	63.4	17.4	70.5	21.4	86	30.0	1957		56.2	13.4	35	3.3	1982	
8	63.5	17.5	70.3	21.3	83	28.3	1976		56.7	13.7	37	2.6	1947	
9	64.3	18.3	71.4	21.9	79	26.1	1974*		59.5	14.7	29	3.2	1978	
10	67.1	19.5	73.4	23.0	84	28.9	1973*		60.2	16.0	40	4.4	1944	
11	66.4	19.1	72.6	22.6	84	28.9	1978		60.2	15.7	29	-1.7	1946	
12	65.1	18.4	71.6	22.0	87	29.4	1980		58.6	14.8	31	-0.6	1948	
13	63.7	17.6	70.6	21.4	86	30.0	1978		56.7	13.7	38	3.3	1951	
14	64.4	18.0	71.3	21.8	85	29.4	1978*		57.6	14.2	40	4.4	1970	
15	66.1	18.9	72.3	22.4	84	28.9	1973		59.9	15.5	43	6.1	1962	
16	65.9	18.8	71.9	22.2	84	28.9	1972		59.9	15.5	44	6.7	1962	
17	67.2	19.6	74.0	23.3	87	30.6	1972		60.4	15.8	47	8.3	1978*	
18	67.4	19.7	74.5	23.6	87	30.6	1975		60.2	15.7	41	5.0	1960	
19	66.5	19.3	73.7	23.2	85	31.1	1977*		60.0	15.6	43	4.4	1965	
20	67.3	19.6	73.6	23.1	89	31.7	1980		60.9	16.1	35	1.7	1965	
21	66.7	19.3	73.4	23.0	91	32.2	1955		60.0	15.6	44	6.7	1968	
22	66.5	19.2	72.6	22.6	85	29.4	1971		60.7	15.9	45	7.2	1968*	
23	68.2	20.1	74.9	23.8	90	32.2	1947		61.5	16.4	46	7.8	1952	
24	67.9	19.9	74.2	23.4	85	29.4	1975		61.6	16.4	44	6.7	1974	
25	67.1	19.5	74.3	23.5	83	31.1	1971		60.0	15.6	44	6.7	1974	
26	66.1	18.9	72.5	22.5	84	28.9	1946		59.8	15.4	36	2.2	1955	
27	67.4	19.7	73.6	23.1	84	28.9	1972*		61.2	16.2	38	3.3	1955	
28	63.6	20.3	75.3	24.1	86	30.2	1975*		61.8	16.6	44	6.7	1955	
29	69.0	20.6	74.8	23.8	80	31.7	1974		63.1	17.3	45	7.2	1975	
30	68.9	20.5	74.9	23.8	84	30.0	1981		63.0	17.2	42	5.6	1975	
31	69.4	20.8	75.6	24.2	80	29.4	1973*		63.2	17.3	51	10.6	1975	
Monthly	65.9	18.8	72.4	22.4	90	32.2	1975*		59.4	15.2	25	-3.9	1980	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

CORPUS CHRISTI, TEXAS

1945-1982

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	70.1	21.2	76.7	24.8	92	33.3	1974	63.5	17.5	51	10.6	1954
2	70.1	21.2	76.4	24.7	89	31.7	1975	63.8	17.7	50	10.0	1970
3	71.2	21.6	77.2	25.1	84	31.1	1974	65.3	18.5	49	9.4	1975
4	69.9	21.1	76.0	24.4	85	29.4	1981	63.6	17.7	53	10.0	1960
5	68.8	20.4	75.3	24.1	86	30.0	1982	62.2	16.8	48	8.9	1949
6	69.3	20.6	76.3	24.6	90	32.2	1953	61.7	16.5	49	9.4	1952
7	70.3	21.3	76.2	24.6	86	30.2	1972*	64.4	18.0	50	10.0	1971
8	71.8	22.1	77.6	25.3	86	31.1	1953	66.0	18.9	57	13.9	1972*
9	71.0	21.7	76.2	24.6	85	29.4	1963	65.9	18.8	53	10.0	1973
10	71.4	21.9	76.9	24.9	86	30.0	1953	65.9	18.8	46	7.8	1952
11	71.5	21.9	76.6	24.8	90	32.2	1979	66.3	19.1	52	11.1	1957
12	71.1	21.7	77.2	25.1	85	29.4	1972*	65.0	18.3	49	9.4	1951
13	71.0	21.7	77.1	25.1	87	30.6	1979*	64.9	18.3	47	8.3	1941
14	71.2	21.8	77.0	25.0	86	30.0	1955	65.4	18.6	40	4.4	1980
15	72.4	22.4	78.1	25.6	89	31.7	1980*	66.7	19.3	53	11.7	1980
16	71.7	22.1	77.3	25.2	86	30.0	1972	66.8	18.9	56	13.3	1966
17	72.6	22.6	78.2	25.7	86	30.0	1965	67.0	19.4	53	11.7	1947
18	73.8	23.2	79.1	26.2	87	30.6	1978*	68.5	20.3	59	15.0	1960*
19	74.4	23.6	79.7	26.5	86	30.0	1972	69.0	20.6	51	10.6	1953
20	73.6	23.1	78.9	26.1	86	30.0	1977	68.4	20.2	53	14.4	1980
21	73.6	23.1	79.1	26.2	86	31.1	1972	68.1	20.1	54	12.2	1966
22	74.4	23.6	79.3	26.3	86	30.0	1975	69.4	20.8	54	12.2	1982
23	74.5	23.6	80.1	26.7	94	34.4	1971	68.9	20.5	53	11.7	1982
24	75.2	24.0	80.5	26.9	91	32.2	1955*	69.9	21.1	57	13.9	1982
25	74.7	23.7	81.1	27.3	91	32.8	1953	68.4	20.2	56	13.3	1968
26	75.1	23.9	80.7	27.1	90	32.2	1964	69.4	20.8	52	11.1	1952
27	74.8	23.8	80.1	26.7	86	30.0	1975*	69.6	20.9	58	14.4	1952
28	76.3	24.6	81.3	27.4	89	31.7	1964	71.2	21.8	62	16.7	1980
29	76.6	24.8	81.5	27.5	93	33.9	1953	71.7	22.1	62	16.7	1980
30	76.1	24.5	81.1	27.3	93	36.7	1953	71.0	21.7	63	17.2	1976
31												
Monthly	72.6	22.6	78.3	25.7	94	36.7	1953	66.9	19.4	40	4.4	1947

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION CORPUS CHRISTI, TEXAS

1945-1982

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	75.4	24.1	80.5	26.9	83	31.1	1964*		70.7	21.3	61	16.1	1976
2	75.6	24.2	80.9	27.2	84	31.1	1964		70.4	21.3	57	14.4	1976
3	75.2	24.0	80.6	27.0	84	31.7	1952		69.8	21.0	57	13.9	1954
4	75.4	24.1	81.2	27.3	90	32.2	1958		69.6	20.9	56	13.3	1954
5	76.0	24.4	81.3	27.4	83	31.1	1981*		70.6	21.4	57	13.9	1970
6	76.0	24.4	81.1	27.3	87	30.6	1956		70.9	21.6	61	16.1	1979
7	76.7	24.8	82.1	27.8	92	33.3	1973		71.4	21.9	61	16.1	1972
8	77.2	25.1	82.6	28.1	87	31.7	1978*		71.8	22.1	63	17.2	1966
9	77.3	25.2	82.4	28.0	87	30.6	1975*		72.2	22.3	63	17.2	1966
10	77.8	25.4	82.9	28.3	82	31.1	1971		72.7	22.6	64	17.8	1981*
11	77.0	25.0	82.5	28.1	87	30.6	1975*		71.5	21.9	61	16.1	1979*
12	77.1	25.1	82.8	28.2	80	31.1	1964		71.4	21.9	53	11.7	1952
13	77.3	25.2	82.5	28.1	80	31.1	1975		72.0	22.2	63	17.2	1952
14	77.7	25.4	83.1	28.4	91	32.8	1978		72.4	22.4	60	15.6	1953
15	77.6	25.3	82.7	28.2	80	31.1	1974		72.5	22.5	63	17.2	1967
16	78.2	25.7	83.1	28.4	80	31.1	1974*		73.4	23.0	59	15.0	1945
17	78.5	25.8	83.6	28.7	80	31.7	1974		73.4	23.0	62	16.7	1970
18	78.4	25.8	83.5	28.6	85	31.1	1981*		73.2	22.9	67	19.4	1973*
19	79.1	26.2	84.7	29.3	90	32.2	1954		73.5	23.1	65	18.3	1952
20	79.1	26.1	84.7	29.3	97	36.1	1955		73.4	23.0	54	14.4	1952
21	78.7	25.9	84.6	29.2	97	36.1	1955		72.9	22.7	63	17.2	1967
22	79.4	26.3	85.0	29.4	91	32.8	1974		73.9	23.3	58	14.4	1967
23	79.5	26.4	84.6	29.2	84	31.7	1975*		74.3	23.5	65	18.3	1947
24	80.1	26.7	85.7	29.8	91	32.8	1974		74.5	23.6	62	16.7	1967
25	80.5	26.9	85.8	29.9	92	33.3	1958		75.2	24.0	66	18.9	1981
26	80.6	27.0	85.9	29.9	92	33.3	1974		75.2	24.0	63	17.2	1947
27	80.8	27.1	86.3	30.2	95	35.0	1973		75.4	24.1	68	20.0	1954
28	80.8	27.1	86.1	30.1	91	32.8	1973		75.5	24.2	66	18.9	1952
29	81.1	27.3	86.4	30.2	91	32.8	1974		75.8	24.3	67	19.4	1947
30	80.9	27.2	86.5	30.3	92	33.3	1959		75.2	24.0	64	17.8	1947
31	81.3	27.4	86.7	30.4	92	33.3	1953		75.9	24.4	65	18.3	1964
Monthly	78.3	25.7	83.6	28.7	97	36.1	1955		72.9	22.7	53	11.7	1952

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION CORPUS CHRISTI, TEXAS STATION NAME 1945-1982 YEARS J. A. F. MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	80.9	27.2	86.5	30.3	94	34.4	1953	75.3	24.1	65	18.3	1957
2	80.6	27.0	86.2	30.1	94	34.4	1953	75.1	23.9	67	19.4	1962*
3	81.1	27.3	86.7	30.4	92	33.3	1954	75.5	24.2	66	20.0	1970*
4	81.1	27.3	86.3	30.2	91	32.9	1977*	75.8	24.3	69	20.6	1977
5	81.3	27.4	86.8	30.4	91	32.9	1980*	75.8	24.3	66	18.9	1973
6	82.1	27.8	87.5	30.8	94	34.4	1981	76.5	24.7	67	20.6	1967
7	82.5	28.1	87.6	30.9	90	37.2	1977	77.3	25.2	71	21.7	1978*
8	82.5	28.2	88.0	31.1	95	35.0	1977	77.5	25.3	67	20.6	1973
9	82.5	28.1	87.9	31.1	93	33.0	1980	77.2	25.1	68	20.0	1947
10	82.5	28.1	87.6	30.9	93	33.0	1977	77.4	25.2	64	17.8	1955
11	83.2	28.4	88.4	31.3	94	34.4	1955*	78.0	25.6	67	19.4	1955
12	83.2	28.4	88.6	31.4	95	35.0	1953	77.9	25.5	69	20.6	1945
13	83.6	28.7	89.0	31.7	94	34.4	1977	78.1	25.6	68	20.0	1979*
14	83.2	28.4	88.6	31.4	92	33.0	1975	77.9	25.5	69	20.6	1974
15	83.8	28.8	88.9	31.6	93	33.0	1980*	78.7	25.9	73	22.8	1979*
16	84.0	28.9	89.0	31.7	94	34.4	1963	79.0	26.1	63	20.0	1947
17	84.1	28.9	89.2	31.8	93	33.0	1982*	79.0	26.1	71	21.1	1963
18	83.8	28.8	88.9	31.6	93	33.0	1980*	78.9	26.0	72	22.2	1963
19	83.9	28.8	89.3	31.8	95	35.0	1972	78.6	25.9	70	21.1	1947
20	83.6	28.7	89.0	31.7	94	34.4	1980	78.3	25.7	73	22.8	1961
21	83.8	28.6	89.8	31.5	94	34.4	1981	78.8	26.0	72	22.2	1957
22	83.8	28.8	87.0	31.7	94	34.4	1980	78.6	25.9	73	22.8	1966*
23	84.0	28.9	89.1	31.7	95	35.0	1953	78.9	26.1	74	23.3	1961
24	84.1	28.9	89.5	31.9	93	33.0	1982*	78.8	26.0	70	21.1	1959
25	83.8	28.8	88.9	31.6	95	35.0	1953	78.7	25.9	71	21.7	1974
26	84.3	29.1	89.3	31.8	97	36.1	1953	79.2	26.2	72	22.2	1974
27	84.1	28.9	89.5	31.9	96	35.6	1953	78.8	26.0	72	22.2	1974
28	84.2	29.0	89.4	31.9	95	35.0	1953	79.1	26.2	73	22.8	1974*
29	84.2	29.0	89.6	32.0	93	33.0	1981*	78.8	26.0	71	21.7	1948
30	84.5	29.2	89.7	32.1	94	34.4	1981*	79.3	26.3	73	22.8	1948
31												
Monthly	83.2	28.4	88.4	31.3	99	37.2	1977	77.9	25.5	64	17.8	1955

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

CORPUS CHRISTI, TEXAS

1945-1982

JULY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	84.6	29.2	89.9	32.2	94	34.4	79.3	26.3	72	22.2	1981*
2	84.4	29.1	89.9	32.2	94	34.4	78.9	26.1	73	22.3	1948
3	84.8	29.3	90.4	32.4	95	35.0	79.3	26.3	75	23.9	1971*
4	84.8	29.3	90.3	32.4	95	35.6	79.4	26.3	75	23.9	1967*
5	84.3	29.1	89.7	32.1	95	35.0	78.9	26.1	72	22.2	1972
6	84.5	29.2	89.6	32.0	95	35.0	79.4	26.3	72	22.2	1972
7	84.4	29.1	89.5	31.9	95	35.0	79.3	26.3	75	23.9	1968*
8	84.8	29.3	90.1	32.3	95	35.0	79.5	26.4	75	23.9	1970*
9	84.3	29.1	89.9	32.2	95	35.0	78.7	25.9	72	22.2	1976
10	84.4	29.1	90.4	32.4	95	35.0	78.5	25.8	73	22.4	1979*
11	84.5	29.2	90.3	32.4	95	35.0	78.7	25.9	72	22.2	1968
12	84.7	29.3	90.3	32.4	94	34.4	79.1	26.2	73	22.8	1971
13	84.5	29.2	90.1	32.3	95	35.0	79.2	26.2	74	23.3	1976
14	84.6	29.2	90.1	32.3	95	35.0	79.1	26.2	71	21.7	1975
15	84.5	29.2	89.8	32.1	95	35.6	79.1	26.2	73	22.8	1967
16	84.4	29.1	90.2	32.3	97	36.1	78.6	25.9	69	20.6	1967
17	84.7	29.3	90.3	32.4	95	35.0	79.1	26.2	73	22.8	1972
18	84.7	29.3	90.1	32.3	95	35.0	79.4	26.3	71	21.7	1962
19	84.7	29.3	90.0	32.2	95	35.0	79.5	26.4	71	21.7	1964
20	84.7	29.3	90.4	32.4	95	35.0	79.0	26.1	72	22.2	1962
21	84.7	29.3	90.2	32.3	95	35.0	79.3	26.3	72	22.2	1967
22	84.5	29.2	90.1	32.3	96	35.6	79.2	26.2	74	23.3	1980
23	85.1	29.5	90.7	32.6	96	35.6	79.4	26.3	77	25.0	1974*
24	85.1	29.5	90.7	32.6	97	36.1	79.6	26.4	77	25.0	1976*
25	84.8	29.3	90.7	32.6	96	35.6	78.8	26.0	75	23.9	1959*
26	84.7	29.3	90.3	32.4	94	34.4	79.1	26.2	74	23.3	1959
27	85.0	29.4	90.7	32.6	95	35.0	79.3	26.3	73	22.8	1979
28	85.3	29.6	91.0	32.8	97	36.1	79.6	26.4	75	23.9	1961
29	85.0	29.4	90.8	32.7	96	35.6	79.2	26.2	75	23.9	1957
30	84.9	29.4	90.7	32.6	95	35.0	79.1	26.2	74	23.3	1978*
31	84.6	29.2	90.1	32.3	95	35.0	79.1	26.2	73	22.8	1978
Monthly	84.7	29.3	90.2	32.3	97	36.1	79.2	26.2	69	20.6	1967

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

CORPUS CHRISTI, TEXAS

1945-1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	84.6	29.2	90.2	32.3	95	35.0	1981*		79.1	26.2	74	23.3	1955
2	84.5	29.2	90.3	32.4	95	35.6	1977*		78.8	26.0	71	21.7	1947
3	84.3	29.1	89.8	32.1	95	35.0	1977*		78.7	25.9	71	21.7	1972
4	84.3	29.1	90.2	32.3	96	35.6	1981*		78.4	25.8	72	22.2	1971*
5	84.4	29.1	90.1	32.3	95	35.0	1981*		78.6	25.9	72	22.2	1965
6	84.4	29.1	90.3	32.4	95	35.0	1981		78.5	25.8	73	22.8	1971*
7	84.2	29.0	90.2	32.3	95	35.0	1981*		78.1	25.6	73	22.8	1974
8	84.6	29.2	90.4	32.4	96	35.6	1976		78.9	26.1	75	23.9	1967
9	84.6	29.2	90.6	32.6	98	36.7	1991		78.6	25.9	73	22.8	1982
10	84.6	29.3	90.6	32.6	96	35.6	1981*		79.0	26.1	75	23.9	1980
11	84.8	29.3	90.4	32.4	95	35.6	1981		79.3	26.3	73	22.8	1965
12	84.8	29.3	90.4	32.4	96	35.6	1977*		79.2	26.2	71	21.7	1962
13	84.9	29.4	90.6	32.6	95	36.7	1962		79.1	26.2	67	19.4	1967
14	85.1	29.5	90.7	32.6	95	36.7	1962		79.6	26.4	70	21.1	1967
15	85.0	29.4	90.6	32.6	97	36.1	1981		79.4	26.3	70	21.1	1967
16	85.1	29.5	90.9	32.7	97	36.1	1981		79.2	26.2	71	21.7	1967
17	84.9	29.4	90.7	32.6	97	36.1	1981		79.1	26.2	75	23.9	1961
18	84.8	29.3	91.0	32.8	99	37.2	1981*		78.7	25.9	69	20.6	1973
19	84.6	29.2	90.3	32.4	96	35.6	1977*		78.8	26.0	73	22.8	1967*
20	84.5	29.2	90.4	32.4	96	35.6	1981*		78.7	25.9	68	20.0	1945
21	84.9	29.4	90.6	32.6	95	35.6	1977*		79.1	26.2	75	23.9	1961
22	84.9	29.4	90.8	32.7	96	35.6	1981*		78.9	26.1	74	23.3	1967*
23	84.4	29.1	90.5	32.5	96	35.6	1977*		78.4	25.8	74	23.3	1979*
24	84.1	28.9	89.9	32.2	95	35.0	1980*		78.4	25.8	73	22.8	1976*
25	83.5	28.6	89.1	31.7	96	35.6	1977		77.9	25.5	71	21.7	1966
26	84.2	29.0	89.7	32.1	97	36.1	1955		78.7	25.9	72	22.2	1966
27	84.3	29.1	90.0	32.2	96	35.6	1955		78.7	25.9	72	22.2	1953
28	84.3	29.1	90.3	32.4	97	36.1	1978		78.4	25.8	72	22.2	1953
29	83.9	28.8	89.6	32.0	95	35.0	1977*		78.2	25.7	73	22.6	1973*
30	84.4	29.1	90.1	32.3	101	38.3	1954		78.6	25.9	72	22.2	1973
31	84.8	29.3	90.6	32.6	99	37.2	1954		78.9	26.1	73	22.8	1946
Monthly	84.5	29.2	90.3	32.4	101	38.3	1954		78.8	26.0	67	19.4	1967

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

CORPUS CHRISTI, TEXAS

1945-1987

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	84.6	29.2	90.2	32.3	96	35.6	1954		79.0	26.1	74	23.3	1975*
2	84.5	29.2	90.4	32.4	95	35.7	1981		78.8	26.0	68	20.0	1950
3	84.3	29.1	89.8	32.1	95	35.0	1945		79.7	25.9	71	21.7	1974
4	83.8	28.8	89.7	32.1	100	37.8	1977		77.9	25.5	66	18.9	1974
5	83.3	28.5	89.0	31.7	100	37.8	1977		77.6	25.3	67	19.4	1974
6	83.4	28.6	89.3	31.8	96	35.6	1977		77.4	25.2	63	20.0	1973
7	83.4	28.6	89.2	31.8	95	35.0	1977*		77.5	25.3	69	20.6	1974*
8	83.2	28.5	89.2	31.8	95	35.6	1981*		77.1	25.1	71	21.7	1961*
9	83.3	28.5	89.2	31.8	96	35.6	1954		77.4	25.2	67	19.4	1974
10	83.5	28.6	88.8	31.6	95	35.6	1965*		78.1	25.6	73	22.8	1971*
11	83.1	28.4	88.6	31.4	100	37.8	1954		77.6	25.3	70	21.1	1961
12	83.2	28.4	89.3	31.8	94	34.4	1982*		77.2	25.1	68	20.0	1959
13	83.0	28.3	88.7	31.5	95	35.0	1981		77.7	25.1	70	21.1	1974*
14	82.2	27.9	88.1	31.2	95	35.6	1981		76.3	24.6	63	20.0	1961
15	82.1	27.8	88.1	31.2	97	36.1	1954		76.2	24.6	65	18.3	1961
16	82.7	28.2	88.8	31.6	100	37.8	1954		76.7	24.2	67	19.4	1979*
17	82.1	27.8	88.1	31.2	94	34.4	1954		76.2	24.6	67	19.4	1961*
18	82.2	27.9	87.6	30.9	93	33.9	1980*		76.8	24.9	65	18.3	1961
19	82.5	28.1	87.9	31.1	94	34.4	1952*		77.0	25.0	63	17.2	1971
20	82.3	27.9	87.8	31.0	93	33.9	1954*		76.8	24.9	61	16.1	1971
21	82.9	28.3	88.4	31.3	96	35.6	1954		77.4	25.2	69	20.6	1971
22	82.4	28.0	87.6	30.9	94	34.4	1954		77.1	25.1	66	18.9	1975
23	81.7	27.6	87.2	30.7	93	33.9	1977*		76.2	24.6	63	20.0	1975
24	81.4	27.4	87.0	30.6	92	33.0	1954		75.9	24.3	65	18.3	1975
25	81.1	27.3	86.7	30.4	91	35.0	1954		75.4	24.1	66	18.9	1974
26	79.9	26.6	86.0	30.0	97	36.1	1953		73.8	23.2	63	17.2	1974
27	79.7	26.5	86.0	30.0	93	33.9	1977		73.4	23.0	63	17.2	1970*
28	79.5	26.4	85.8	29.7	93	33.9	1977*		73.6	23.1	62	16.7	1967
29	79.7	26.5	86.3	30.2	95	35.0	1969		73.9	22.8	62	16.7	1943
30	79.1	26.2	85.8	29.9	94	34.4	1977		72.4	22.4	62	16.7	1945
31													
Monthly	82.3	27.9	88.1	31.2	100	37.8	1977*		76.5	24.7	61	16.1	1971

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

CORPUS CHRISTI, TEXAS

1946-1987

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	72.7	23.2	85.2	29.6	90	35.4	1953		72.3	22.4	61	15.6	1952	
2	79.1	26.2	85.7	29.8	90	35.6	1977		72.7	22.6	61	15.6	1958	
3	79.4	26.3	85.1	29.5	90	35.3	1954		73.8	23.2	56	13.3	1961	
4	79.0	26.2	84.8	29.3	94	34.4	1981		73.7	23.2	62	16.7	1967*	
5	78.7	25.9	84.5	29.2	90	33.3	1981*		72.9	22.7	62	16.7	1979	
6	79.2	26.2	85.1	29.5	90	34.4	1981		73.4	23.0	59	15.0	1964	
7	77.5	25.3	83.7	28.7	93	33.2	1981		71.4	21.9	55	12.8	1976*	
8	78.0	25.6	84.1	28.9	90	32.2	1977*		71.9	22.2	53	11.7	1975	
9	77.7	25.4	84.3	29.1	90	33.2	1981		71.1	21.7	51	10.8	1976	
10	77.5	25.3	84.5	28.9	94	34.4	1981		71.0	21.7	55	12.8	1975	
11	77.8	25.4	84.2	29.0	94	34.4	1981		71.4	21.9	57	13.9	1952	
12	77.4	25.2	83.2	28.4	90	33.4	1981		71.7	22.1	57	13.9	1965	
13	77.5	25.3	83.6	28.7	93	33.2	1981		71.4	21.9	57	13.9	1977	
14	77.1	25.1	83.1	28.4	90	33.0	1981		71.2	21.8	49	12.8	1969	
15	76.6	24.8	83.1	28.4	90	33.3	1981		70.0	21.1	57	13.9	1974	
16	75.3	24.1	81.5	27.5	90	33.2	1981		69.2	20.7	57	13.9	1974	
17	75.6	24.2	82.3	27.9	93	33.2	1981		69.0	20.6	55	12.8	1945	
18	75.2	24.0	81.6	27.6	80	31.7	1950		68.8	20.4	55	12.8	1945	
19	74.4	23.6	81.5	27.2	80	31.1	1971*		67.7	19.8	53	11.7	1976	
20	74.2	23.4	80.8	27.1	80	31.1	1962*		67.5	19.7	50	10.0	1975	
21	74.9	23.8	81.6	27.6	82	31.1	1950		68.3	20.2	49	9.4	1964	
22	74.9	23.8	81.5	27.5	90	32.2	1950		68.2	20.1	50	13.2	1945	
23	74.5	23.7	81.0	27.2	80	31.7	1975		68.1	20.1	53	11.7	1981*	
24	73.2	22.9	79.7	26.5	90	32.2	1975		66.7	19.3	54	12.2	1979	
25	72.4	22.4	71.8	26.0	87	30.4	1956		65.0	18.8	50	10.0	1945	
26	72.4	22.4	74.5	25.8	87	30.6	1954		66.2	19.0	48	9.4	1957	
27	72.5	22.5	79.2	26.2	87	30.6	1971		65.2	18.8	40	8.9	1957	
28	72.4	22.4	74.5	25.8	87	30.6	1975*		66.3	19.1	51	10.6	1957	
29	72.4	22.4	78.4	25.8	87	30.6	1972*		66.5	19.2	52	11.1	1980*	
30	72.8	22.7	79.6	26.4	87	30.5	1972*		66.1	18.9	49	9.4	1980*	
31	72.7	22.6	78.8	26.0	80	31.1	1969		66.6	19.2	46	7.8	1967	
Monthly	75.4	24.4	82.1	27.8	90	35.6	1977*		69.6	20.9	46	7.8	1967	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

CLIFFS CHRISTI, TEXAS

1945-1987

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	71.9	22.2	74.7	25.9	87	32.6	1971		65.1	19.4	42	11.1	1967*	
2	72.4	21.4	77.5	25.3	87	32.4	1975		63.7	17.6	41	7.2	1951	
3	69.1	20.6	76.2	24.6	87	30.6	1973		62.1	16.7	34	1.1	1951	
4	65.9	20.5	75.5	24.2	89	31.7	1959		62.4	16.9	41	7.2	1951	
5	65.1	20.6	76.5	24.7	89	31.1	1963		61.7	16.5	41	6.1	1973*	
6	64.3	20.2	75.3	24.1	89	31.1	1963		61.4	16.3	43	5.1	1959	
7	65.3	20.2	75.1	23.9	89	30.9	1977		61.5	16.4	41	5.7	1959	
8	68.4	21.4	75.3	24.1	89	30.9	1973		62.2	16.9	44	6.7	1955	
9	67.4	19.9	74.8	23.8	89	31.1	1979		60.9	16.1	44	6.7	1971	
10	66.6	19.0	73.2	22.9	89	27.3	1982*		59.3	15.2	41	5.9	1977	
11	67.7	19.9	75.3	24.1	89	28.9	1978		60.5	15.8	41	5.9	1951	
12	68.5	20.3	75.3	24.1	89	29.4	1969*		61.9	16.6	44	6.7	1971	
13	68.8	20.5	75.9	24.4	89	30.9	1971		61.5	16.6	43	4.4	1975	
14	68.2	20.1	74.9	23.8	89	30.9	1971		61.6	16.4	37	2.8	1959	
15	67.7	20.4	75.3	24.1	89	30.9	1973		62.1	16.7	38	2.2	1959	
16	67.7	20.4	75.1	23.9	89	29.4	1977*		62.3	16.5	42	5.6	1971	
17	67.2	19.6	73.2	22.9	89	31.0	1977		61.3	16.3	34	1.1	1959	
18	66.2	19.0	72.3	22.4	83	28.7	1975*		60.1	15.6	35	1.7	1955	
19	65.9	18.8	72.1	22.3	83	30.9	1979		59.6	15.3	41	5.7	1955	
20	65.2	18.8	72.3	22.4	84	28.9	1977*		59.3	15.2	42	5.6	1947	
21	65.9	18.8	73.6	23.1	84	28.9	1982*		58.1	14.5	42	5.6	1969	
22	64.3	18.2	71.0	21.7	84	26.9	1982		58.7	14.7	42	5.6	1972*	
23	65.5	18.4	71.8	22.1	89	29.4	1955		58.6	14.8	39	3.9	1957	
24	64.5	18.1	71.3	21.6	89	29.4	1965*		57.8	14.3	37	2.8	1957	
25	65.1	18.4	72.7	22.6	89	27.9	1981*		57.4	14.1	42	5.6	1957*	
26	66.4	19.0	73.4	23.0	87	30.6	1973		59.0	15.7	40	4.4	1951	
27	64.1	17.8	71.2	21.8	83	28.3	1977		56.9	13.8	39	3.9	1951	
28	61.7	16.3	69.3	20.7	84	26.9	1981		54.4	12.4	31	-6.6	1975	
29	60.4	15.8	67.4	19.7	83	21.1	1949		53.5	11.9	34	1.1	1975	
30	61.0	16.1	67.3	19.6	87	27.4	1981		54.7	12.6	37	2.8	1974	
31														
Monthly	66.4	19.3	73.6	23.1	87	31.7	1959		60.9	15.6	31	-6.6	1976	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION POPP S CHRISTI, TEXAS

YEARS 1945-1977

MONTH DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	52.9	17.2	69.2	20.7	81	27.8	1954		56.5	13.6	36	2.2	1957	
2	44.7	18.2	71.9	22.2	81	27.8	1978*		57.5	14.2	44	6.7	1978	
3	44.7	18.2	71.6	22.0	87	30.9	1978		57.8	14.3	40	4.4	1978	
4	53.9	17.7	70.8	21.6	88	31.1	1977		56.9	13.8	40	4.4	1978	
5	44.4	18.0	71.8	22.1	91	32.8	1977		56.9	13.8	39	1.7	1978	
6	42.7	17.1	70.0	21.1	81	27.2	1978		55.4	13.0	39	-1.7	1978	
7	42.7	16.7	69.3	20.7	80	26.7	1966		54.6	12.6	31	-6.6	1978	
8	43.3	17.2	69.6	20.9	80	27.0	1966		56.5	13.6	37	2.8	1978	
9	41.8	16.6	68.0	20.0	81	27.2	1961		55.5	13.1	33	.6	1978	
10	40.0	15.6	66.6	19.2	71	25.6	1970*		53.4	11.9	30	1.7	1948	
11	49.3	15.2	66.9	19.4	83	28.3	1963		51.7	10.9	30	1.7	1972*	
12	58.6	14.8	66.2	19.0	83	28.3	1981		51.0	10.6	38	1.7	1962	
13	58.1	14.5	64.2	17.9	81	27.2	1977*		52.0	11.1	36	2.2	1961	
14	57.3	14.1	63.4	17.4	81	27.2	1975*		51.3	10.7	33	.6	1958	
15	57.3	14.1	63.9	17.7	81	27.2	1975		50.7	10.4	39	1.7	1947	
16	55.6	14.8	65.8	18.8	81	27.2	1977		51.4	10.8	35	.6	1972	
17	59.0	15.0	67.1	19.5	77	25.7	1969		51.0	10.6	36	2.2	1979	
18	59.7	15.4	67.2	19.6	79	26.1	1969		52.2	11.2	31	-6.6	1964	
19	59.4	15.2	65.9	18.8	83	28.3	1977		52.0	11.6	34	1.1	1964*	
20	59.7	15.4	66.8	19.3	71	25.6	1978*		52.6	11.4	34	1.1	1948	
21	59.8	15.4	67.0	19.4	80	27.0	1971		52.7	11.5	29	-1.7	1973	
22	60.3	15.7	68.1	20.1	81	27.2	1981		52.5	11.4	33	.6	1957	
23	60.3	15.7	66.6	19.2	79	26.1	1970		54.0	12.2	30	-1.1	1963	
24	59.5	15.3	66.7	19.3	84	28.9	1977		52.4	11.3	31	-6.6	1963	
25	58.5	14.7	65.9	18.8	83	28.3	1964		51.1	10.6	36	2.2	1961	
26	58.5	14.7	65.4	18.6	74	25.6	1971*		51.6	10.9	35	3.3	1975	
27	60.4	15.8	67.1	19.5	88	31.1	1968		53.6	12.0	41	5.0	1975*	
28	60.6	15.9	67.2	19.6	81	27.2	1971		54.0	12.2	32	3.3	1967	
29	59.9	15.5	66.7	19.3	80	27.4	1973		53.2	11.8	30	3.3	1974	
30	59.9	15.3	65.0	18.8	81	27.2	1971		53.2	11.8	34	1.1	1948	
31	56.7	13.7	63.9	17.7	81	27.8	1971		49.5	9.7	32	.0	1978*	
Monthly	60.4	15.8	67.3	19.6	91	32.8	1977		53.4	11.9	29	-1.7	1973*	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION CORPUS CHRISTI, TEXAS STATION NAME 45-1 YEARS

IN DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1				85	83	86	9	70	55	77		75	
2	74	80	84	81	85	87	9	71	58	64		73	
3	71	75	81	80	83	87	9	73	54	67	83	70	
4	72	71	75	82	87	87	88	89	89		82	77	
5	77	77		82						81	83	8	
6	71	79	86	83	88	91	91	78	91	90	84	74	80
7	77	79	85	84	85	91	90	85	92	89	84		
8	71	81	84	83		92	97	75	74	84	84	74	
9	84	77	84	88	90	97	95	85	77	96	83	84	78
10	78	84	88	88	90	92	90	71	70	75	84	87	71
11	79	74	9	80	97	94	95	97	94	94	81	75	77
12	71	84	81	87	86	91	91	83	92	90	84	73	77
13	76	8	81	86	88	91	82	84	91		81	75	
14	74	84	81	80	72	92	91	85	72	7	83	4	85
15	71	81	85	80	72	95	85	72	89	87	87	71	71
16	73	77	76	81	86	89	97	81	91	89	81	77	77
17	73	75	87	84	88	91	91	74	91	80	8	71	74
18	74	80	84	84	88	93	83	76	92	70	82	70	70
19	71	86	81	85	91	94	94	70	83	80	86	83	74
20	79	76	80	90	89	93	94	84	84	86	81	83	74
21	74	70	82	87	89	93	85	83	96	87	83	74	7
22	71	72	81	84	86	90	92	83	72	89	80	88	7
23	75	74	80	80	87	89	91	85	70	87	75	77	77
24	71	74	83	82	86	91	92	83	73	89	80	86	71
25	71	81	86	85	90	95	85	89	85	90	85	81	79
26	70	70	78	84	90	91	85	89	72	9	86	81	75
27	84	80	88	94	89	91	83	75	85	89	87	80	7
28	92	81	87	88	89	95	93	75	94	71	85	77	70
29	74	78	87	85	85	91	94	83	84	81	87	82	70
30	71	81	87	78	86	91	93	73	93	86	89	80	73
MEAN													
S. D.													
TOTAL OBS.													

SMOS

## EXTREME VALUES

STATION

STATION NAME

YEARS

HALL OF FAME - FAIRPLAY

[illegible]

## SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION 1 STATION NAME CORPUS CHRISTI, TEXAS YEARS 45-1

WHOLE DEGREES FAHRENHEIT  
BASED ON LESS THAN FULL MONTHS,

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													MAX TEMP MIN TEMP
2													MAX TEMP MIN TEMP
3													MAX TEMP MIN TEMP
4													MAX TEMP MIN TEMP
5													MAX TEMP MIN TEMP
6													MAX TEMP MIN TEMP
7													
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94													
95													
96													
97													
98													
99													
100													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, N.C. STATION NAME 45-1 YEARS

WIND SPEEDS FARENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	21	22	26	32	39	69	75	51	2	57	-	34	
2	21	27	37	53	53	60	70	71	68	61	40	31	
3	22	32	-	-	60	71	74	73	62	-	-	34	
4	21	42	-	40	-	71	70	-	68	60	40	42	
5	21	40	42	37	60	71	70	6	68	60	40	42	
6	21	31	31	51	63	71	74	73	67	55	7	44	
7	42	37	40	46	-	72	71	73	68	55	44	44	
8	31	40	47	51	60	76	77	72	72	57	44	37	
9	71	51	41	51	50	73	75	77	76	56	40	30	
10	71	31	30	54	74	74	74	73	72	53	42	4	
11	72	72	42	56	60	72	75	74	61	63	50	41	
12	71	40	40	51	64	65	75	74	56	-	57	35	
13	71	72	42	50	64	73	75	75	7	53	4	43	
14	71	41	44	50	69	70	74	73	60	73	34	40	
15	71	51	41	50	61	72	75	72	60	50	42	30	
16	32	31	34	32	62	72	73	74	65	50	44	30	
17	31	35	30	52	62	67	75	74	8	70	44	31	
18	31	30	41	57	68	7	77	76	60	60	41	31	
19	32	32	42	50	65	66	71	75	64	40	44	31	
20	71	34	30	61	55	72	70	72	53	53	55	44	
21	71	35	40	51	70	70	75	71	59	50	43	30	
22	72	37	43	61	56	69	65	67	62	40	47	30	
23	71	34	44	55	62	71	72	70	72	40	40	37	
24	71	40	42	61	64	71	77	76	60	50	42	31	
25	20	36	40	50	57	68	75	72	53	54	30	40	
26	34	32	41	50	63	73	75	72	53	52	32	40	
27	24	30	41	57	60	71	74	71	64	50	41	33	
28	21	35	50	51	62	50	70	69	68	64	52	33	
29	21	37	44	50	56	67	71	71	63	57	31	31	
MEAN													
S. D.													
TOTAL OBS.													

SMOS

## EXTREME VALUES

STATION

STATION NAME

YEARS

ANGLE DEGREE, FAN, WHIST

[illegible]

## SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, N.C. STATION NAME ASHEVILLE YEARS 1951-1952

IN ALL DEGREES FAHRENHEIT  
BASED ON LESS THAN FULL MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
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5													
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95													
96													
97													
98													
99													
100													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L S T )

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

MONTH

HOURS 1 5 7

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

MONITOR

HOURS: L S T

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

**MONTH**

HOURS 1 5 9

[illegible]

NAVWEASERVCOM



## PSYCHROMETRIC SUMMARY

MONTH

NOV 15 1957

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

MONTH

HOURS - 1 5 7

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

## NOTES

HOURS : S T

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L S T )

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

MONTH

HOURS 165 Y.

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L S T )

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS 1 2 3 4

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

**MONT**

1995

HOURS : L S T

[illegible]

NAVWEASERVCOM



## PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MONTH

22

**HOURS: 11:57 A**

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

**MONTH**

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MONTH

HOURS 1 5 7 9

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L S Y )

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

MONTH

HOURS : L S T :

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

MONTH

HOURS: 15 Y

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

MONTH

HOURS (L S T )

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

MONTH

HOUS. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL			TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21	22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													

NAVWEASERVCOM



## PSYCHROMETRIC SUMMARY

MONTH

HOURS: 10:00 - 11:00

[illegible]

NAVWEASERVCOM

# MEANS AND STANDARD DEVIATIONS

CRY-HOLE TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION 1000000 CHRISTI, TEXAS

73-92

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
5	MEAN	4.7	55.7	64.8	70.1	76.7	80.9	82.4	82.5	80.6	73.4	64.9	59.1	70.4	
	S. D.	7.747	8.651	6.537	4.908	3.829	2.288	1.897	2.057	4.013	6.925	9.147	8.374	11.866	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3650	
	MEAN	50.8	55.4	63.8	69.5	75.3	80.1	81.4	81.3	79.2	72.1	63.9	57.0	69.4	
	S. D.	11.112	8.887	6.946	5.594	4.135	2.589	1.684	2.225	4.355	7.171	9.615	8.772	12.072	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
	MEAN	51.7	54.5	63.0	68.9	74.3	79.3	80.3	80.3	77.9	71.1	63.0	55.2	68.5	
	S. D.	10.257	9.176	7.621	5.692	4.476	2.784	1.998	2.112	4.343	7.257	9.670	9.126	12.171	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
	MEAN	53.5	57.1	66.1	72.7	79.4	85.1	86.7	85.9	82.7	75.8	66.3	58.1	72.5	
	S. D.	10.440	9.708	7.319	5.328	4.517	3.304	2.966	3.307	5.276	8.049	10.398	9.340	13.570	
	TOTAL OBS	310	282	310	300	310	300	310	309	299	310	300	309	3649	
1	MEAN	58.7	62.7	70.9	76.6	82.7	87.9	89.9	89.6	86.8	80.1	70.9	63.6	76.7	
	S. D.	11.792	10.944	7.718	5.702	4.566	3.564	3.115	3.751	4.959	7.820	10.614	10.225	13.212	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
1	MEAN	67.4	64.6	72.3	77.1	82.8	87.8	90.2	89.7	87.5	80.6	71.7	65.1	77.5	
	S. D.	11.900	10.618	7.647	5.422	4.123	3.635	2.851	3.442	4.288	7.144	10.138	9.679	12.478	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
	MEAN	67.7	61.1	68.9	73.7	79.9	85.1	86.9	86.5	84.1	76.4	67.4	61.0	74.1	
	S. D.	10.617	8.856	6.512	4.612	3.458	2.744	2.253	2.400	3.526	6.351	8.661	8.150	12.050	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	308	3650	
1	MEAN	55.1	58.1	65.9	71.1	77.0	81.8	83.3	83.5	81.5	74.4	65.7	59.4	71.5	
	S. D.	9.443	8.232	5.965	4.526	3.452	2.171	1.824	1.946	3.694	6.518	9.040	8.214	11.637	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	308	3650	
ALL HOURS	MEAN	55.4	58.8	67.0	72.5	78.5	83.5	85.1	84.9	82.5	75.5	66.7	59.8	72.6	
	S. D.	10.727	10.005	7.728	6.010	5.044	4.341	4.310	4.335	5.471	7.871	10.121	9.526	12.779	
	TOTAL OBS	2479	2256	2440	2400	2450	2420	2480	2479	2399	2480	2400	2470	29273	

NAVWEASERVCOM

# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATION

STATION CORPUS CHRISTI, TEXAS

73-82

STATION		STATION NAME												YEARS											
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL											
1	MEAN	50.7	53.3	61.4	66.5	72.1	76.1	77.3	77.3	74.7	67.8	60.5	54.0	66.0											
	S. D.	10.405	9.600	7.949	6.352	4.603	3.217	1.790	1.660	4.840	7.463	10.195	9.386	11.793											
	TOTAL OBS	310	262	310	310	310	300	310	310	300	310	300	309	3650											
2	MEAN	49.9	52.4	60.6	66.1	71.6	75.8	76.9	76.9	74.2	67.4	59.9	53.1	65.5											
	S. D.	10.357	9.461	8.308	6.815	4.837	3.200	1.737	1.782	4.933	7.597	10.550	9.701	12.048											
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	309	3651											
3	MEAN	49.2	51.5	60.0	65.7	71.4	75.4	76.4	76.5	73.6	66.7	59.4	52.3	64.0											
	S. D.	10.405	9.943	8.830	6.971	5.054	3.281	1.883	1.793	4.996	7.727	10.548	10.045	12.299											
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	309	3651											
4	MEAN	50.4	53.5	61.8	67.3	73.0	77.3	78.3	78.4	75.5	68.8	61.2	53.9	66.7											
	S. D.	11.119	10.477	8.710	6.627	4.865	3.165	1.839	1.854	5.006	7.811	10.905	10.277	12.453											
	TOTAL OBS	310	262	310	300	310	300	310	309	299	310	300	309	3649											
5	MEAN	52.0	55.2	63.5	69.6	73.9	77.9	78.8	78.8	76.5	70.0	62.6	56.3	68.0											
	S. D.	11.242	10.138	8.464	6.601	4.766	3.229	1.812	1.627	4.731	7.470	10.364	10.151	11.805											
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	309	3651											
6	MEAN	50.0	56.8	64.0	68.8	74.0	77.8	78.9	78.6	76.5	70.0	62.8	57.0	68.3											
	S. D.	10.656	9.762	8.070	6.133	4.516	3.261	1.815	1.919	4.443	7.239	9.899	9.605	11.319											
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	309	3651											
7	MEAN	52.3	55.5	62.8	67.7	73.1	76.9	78.1	77.9	75.3	68.5	61.2	55.4	67.1											
	S. D.	10.079	9.112	7.685	5.966	4.400	3.080	1.781	1.661	4.422	7.189	9.896	9.247	11.348											
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	308	3650											
8	MEAN	51.4	54.3	61.9	67.1	72.2	76.2	77.4	77.4	74.8	68.2	60.8	54.7	66.4											
	S. D.	10.265	9.108	7.544	6.160	4.536	3.112	1.877	1.663	4.686	7.332	10.112	9.249	11.459											
	TOTAL OBS	310	262	310	300	310	300	310	310	300	310	300	308	3650											
ALL HOURS	MEAN	51.4	54.1	62.1	67.2	72.7	76.7	77.8	77.7	75.1	68.4	61.0	54.6	66.4											
	S. D.	10.739	9.691	8.297	6.540	4.743	3.311	1.997	1.932	4.850	7.551	10.359	9.814	11.877											
	TOTAL OBS	2479	2256	2480	2400	2480	2400	2480	2479	2399	2480	2400	2470	29203											

NAVWEASERVCOM

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1 946 CORPUS CHRISTI, TEXAS

73-72

STATION		STATION NAME												YEARS											
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL											
	MEAN	47.4	49.9	58.7	64.2	70.1	74.0	75.3	75.2	72.0	64.6	56.9	49.9	63.3											
	S. D.	13.390	12.364	10.416	8.198	5.640	4.332	2.157	1.931	6.240	9.123	12.706	12.306	13.472											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3650											
	MEAN	46.7	49.4	58.0	63.9	69.8	74.0	75.1	75.2	71.8	64.6	56.7	49.3	62.9											
	S. D.	13.310	12.168	10.603	8.793	5.865	4.058	2.126	2.075	6.208	9.022	12.817	12.427	13.688											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651											
	MEAN	46.1	48.4	57.5	63.5	69.6	73.8	74.9	75.0	71.6	64.0	56.4	48.6	62.5											
	S. D.	13.267	12.304	11.017	8.916	6.036	4.131	2.234	2.066	6.161	9.052	12.725	12.575	13.974											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651											
	MEAN	47.1	49.8	58.5	63.9	70.1	74.1	75.1	75.4	72.3	64.9	57.3	49.8	63.2											
	S. D.	13.624	13.024	11.453	9.384	6.119	4.217	2.257	2.239	6.288	9.347	13.248	12.973	13.909											
	TOTAL OBS	310	282	310	300	310	300	310	309	299	310	300	309	3649											
1	MEAN	47.6	49.9	58.2	63.6	69.8	73.9	74.4	74.5	72.0	64.3	56.7	49.8	63.7											
	S. D.	13.719	12.861	11.945	9.799	6.396	4.551	2.569	2.282	6.533	9.565	13.087	13.211	13.820											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651											
1	MEAN	47.5	50.1	58.0	63.9	69.7	73.6	74.4	74.2	71.6	64.1	56.3	49.8	62.8											
	S. D.	13.483	12.869	11.871	9.343	6.451	4.657	2.579	2.537	6.515	9.954	12.971	13.181	13.744											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651											
	MEAN	47.6	50.3	58.1	63.9	69.7	73.4	74.6	74.4	71.3	63.8	56.4	50.1	62.9											
	S. D.	13.824	12.126	11.246	8.729	6.282	4.523	2.473	2.272	6.441	9.694	13.877	12.723	13.434											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	308	3650											
1	MEAN	46.1	50.6	58.8	64.4	69.8	73.8	75.0	74.9	71.6	64.4	56.8	50.3	63.3											
	S. D.	13.904	11.603	10.260	8.339	5.930	4.339	2.347	2.124	6.229	9.354	12.773	12.351	13.212											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	308	3650											
ALL HOURS	MEAN	47.2	49.8	58.2	63.9	69.8	73.8	74.9	74.8	71.8	64.3	56.7	49.7	63.7											
	S. D.	13.263	12.343	11.117	8.943	6.090	4.355	2.367	2.234	6.326	9.367	12.912	12.714	13.651											
	TOTAL OBS	2479	2256	2480	2400	2460	2400	2480	2479	2399	2480	2400	2470	29203											

NAVWEASERVCOM

## RELATIVE HUMIDITY

1-26 CORPUS CHRISTI, TEXAS

73-82

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00	100.0	100.0	100.0	98.1	92.6	84.8	75.4	58.9	24.6	79.7	309
	01	100.0	100.0	100.0	98.7	93.7	87.1	79.0	65.8	26.8	81.0	310
	02	100.0	100.0	100.0	99.0	94.5	88.4	79.7	66.8	28.4	81.6	310
	03	100.0	100.0	100.0	98.1	92.6	85.2	75.5	59.7	27.1	80.1	310
	04	100.0	100.0	98.4	91.6	83.2	71.0	52.6	33.9	12.3	70.2	310
	05	100.0	99.7	95.8	87.1	77.1	63.2	43.5	25.2	7.7	65.5	310
	06	100.0	100.0	99.7	95.8	87.7	74.5	58.1	40.6	11.0	72.7	310
	07	100.0	100.0	100.0	98.1	93.5	83.9	72.6	54.5	19.0	78.3	310
	08											
	09											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											
	20											
	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28											
	29											
	30											
	31											
	TOTALS	100.0	100.0	99.2	95.8	89.7	79.8	67.1	50.7	19.6	76.1	2479

NAVWEASERVCOM

## 4

73-22

FFS

STATION

STATION NAME

PERIOD

MONTH

1

**1**

NAVWEASERVCOM

45

STATION

STATION NAME

**PÉRIOD**

MONTH

NAVWEASERVCOM

## RELATIVE HUMIDITY

1962 COMB S CHEIST, TEXAS

73-82

FPA  
MONTHCUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	100.0	99.0	97.7	93.3	85.0	71.3	12.3	82.6	300
	02	100.0	100.0	100.0	98.7	96.0	93.0	88.7	74.0	22.7	83.5	300
	03	100.0	100.0	100.0	99.3	96.0	92.7	86.7	76.0	27.3	84.0	300
	04	100.0	99.7	99.3	96.7	91.7	85.7	72.3	43.7	11.0	75.4	300
	05	100.0	99.7	96.7	91.7	83.7	70.3	46.3	15.3	7.3	66.2	300
	06	100.0	99.7	95.7	91.0	83.7	67.3	48.0	13.7	7.0	65.9	300
	07	100.0	100.0	99.0	94.7	91.0	82.0	68.3	37.7	3.3	73.1	300
	08	100.0	100.0	100.0	98.7	95.3	91.7	80.3	66.3	16.7	80.5	300
TOTALS		100.0	99.9	98.8	96.2	91.9	84.5	72.0	49.8	13.2	76.4	2400

NAVWEASERVCOM



# RELATIVE HUMIDITY

1-2-73 100005 CHRISTI, TEXAS 73-92 MAY  
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00	100.0	100.0	100.0	100.0	99.7	98.1	90.6	63.5	17.1	92.4	310
	01	100.0	100.0	100.0	100.0	100.0	97.1	92.6	69.4	22.9	83.6	310
	02	100.0	100.0	100.0	100.0	100.0	97.7	93.2	71.9	26.1	84.4	310
	03	100.0	100.0	100.0	100.0	97.4	91.3	64.8	24.5	4.2	73.6	310
	04	100.0	100.0	100.0	98.1	92.3	72.6	34.8	8.4	1.3	66.4	310
	05	100.0	100.0	99.4	96.1	90.0	73.9	35.2	7.7	1.0	65.7	310
	06	100.0	100.0	100.0	97.4	93.0	86.8	62.9	22.6	2.6	72.1	310
	07	100.0	100.0	100.0	100.0	98.7	93.9	84.8	49.0	12.9	79.3	310
TOTALS		100.0	100.0	99.9	99.0	96.5	88.9	69.9	39.6	11.0	75.9	2460

NAVWEASERVCOM



## RELATIVE HUMIDITY

JUL  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00	100.0	100.0	100.0	100.0	100.0	100.0	94.5	36.1	5.2	79.4	310
	01	100.0	100.0	100.0	100.0	100.0	100.0	97.7	52.9	17.3	81.5	310
	02	100.0	100.0	100.0	100.0	100.0	100.0	99.4	70.3	14.7	84.0	310
	03	100.0	100.0	100.0	100.0	100.0	91.0	30.0	9.4	3.2	68.8	310
	04	100.0	100.0	100.0	100.0	95.2	42.3	11.0	4.2	2.9	61.0	310
	05	100.0	100.0	100.0	100.0	95.2	36.1	8.1	3.5	1.9	60.4	310
	06	100.0	100.0	100.0	100.0	99.7	89.4	22.3	4.5	2.3	67.2	310
	21	100.0	100.0	100.0	100.0	100.0	100.0	87.1	15.4	3.5	76.4	310
TOTALS		100.0	100.0	100.0	100.0	98.4	82.4	56.3	24.9	6.0	72.3	2490

NAVWEASERVCOM

# RELATIVE HUMIDITY

1992 CORPUS CHRISTI, TEXAS

73-92

AUG

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	0	100.0	100.0	100.0	100.0	100.0	100.0	92.9	36.5	6.1	78.8	310
	01	100.0	100.0	100.0	100.0	100.0	100.0	98.1	52.6	11.6	81.8	310
	02	100.0	100.0	100.0	100.0	100.0	100.0	99.0	69.4	20.3	84.3	310
	03	100.0	100.0	100.0	100.0	99.7	92.9	46.0	15.2	3.6	71.4	309
	04	100.0	100.0	100.0	100.0	95.0	49.4	11.6	5.0	2.3	61.0	310
	05	100.0	100.0	100.0	99.7	92.9	48.1	10.0	2.9	.6	61.0	310
	06	100.0	100.0	100.0	100.0	99.0	88.7	27.4	3.9	.3	67.5	310
	07	100.0	100.0	100.0	100.0	100.0	99.4	76.8	18.7	1.9	75.5	310
	08											
	09											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											
	20											
	21											
	22											
	23											
	24											
	TOTALS	100.0	100.0	100.0	100.0	98.3	84.8	57.7	25.6	5.8	72.8	2479

NAVWEASERVCOM

MON

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JFP	00	100.0	100.0	100.0	99.3	97.7	92.7	80.7	30.7	5.0	75.8	300
	01	100.0	100.0	99.7	99.3	99.3	94.7	88.3	45.0	10.7	78.9	300
	02	100.0	100.0	100.0	99.7	99.7	97.3	90.0	58.0	12.0	81.6	300
	03	100.0	100.0	100.0	99.3	97.0	84.9	53.5	20.1	5.0	71.7	299
	04	100.0	100.0	99.7	95.7	85.7	55.7	20.7	6.7	2.3	62.4	300
	05	100.0	100.0	100.0	93.7	83.8	50.0	14.3	4.3	1.3	60.4	300
	06	100.0	100.0	100.0	96.3	89.7	80.3	36.0	6.3	1.3	66.4	300
	07	100.0	100.0	100.0	99.0	96.0	90.3	65.0	19.7	1.7	72.6	300
TOTALS		100.0	100.0	99.9	97.8	93.5	80.7	56.1	23.9	5.8	71.2	2399

NAVWEASERVCOM

# RELATIVE HUMIDITY

1926 COPP'S CHRISTI, TEXAS

73-02

OCT

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
01	00	100.0	100.0	100.0	99.0	95.1	88.7	71.6	31.9	5.8	74.9	310
	03	100.0	100.0	100.0	99.7	96.1	92.3	79.4	44.5	8.7	78.0	310
	07	100.0	100.0	100.0	100.0	99.0	93.9	81.9	49.4	8.4	79.0	310
	09	100.0	100.0	100.0	98.7	94.5	79.0	48.4	16.5	4.2	69.9	310
	12	100.0	100.0	99.4	73.2	75.5	49.4	16.8	6.5	1.6	59.9	310
	15	100.0	100.0	97.1	70.0	71.9	49.0	15.6	5.8	1.6	58.8	310
	18	100.0	100.0	99.4	95.2	86.1	69.7	45.2	17.6	1.9	66.4	310
	21	100.0	100.0	100.0	97.4	43.9	86.5	62.3	25.5	3.9	72.0	310
TOTALS		100.0	100.0	99.5	96.7	89.4	76.1	52.7	23.8	4.5	69.9	2480

NAVWEASERVCOM

13-12

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP.	06	100.0	100.0	99.0	97.0	93.3	87.0	72.3	50.0	17.0	76.5	300
	07	100.0	100.0	100.0	98.0	95.7	87.3	76.0	58.0	10.7	78.5	300
	08	100.0	100.0	100.0	98.3	96.7	91.3	79.0	62.7	13.7	79.9	300
	09	100.0	100.0	99.7	98.0	92.7	81.7	65.7	37.7	7.7	73.8	300
	10	100.0	100.0	98.3	90.7	75.7	57.3	32.0	12.7	1.7	62.7	300
	11	100.0	99.7	95.7	87.0	73.0	54.0	28.7	9.0	.7	60.5	300
	12	100.0	100.0	98.3	93.3	85.0	74.7	56.3	32.3	7.3	59.6	300
	01	100.0	100.0	98.7	96.3	91.3	83.0	67.0	46.7	6.0	74.3	300
	02											
	03											
	04											
	05											
TOTALS		100.0	100.0	98.7	94.8	87.4	76.9	59.6	38.6	5.7	72.0	2400

NAVWEASERVCOM

# RELATIVE HUMIDITY

1976 CORPUS CHRISTI, TEXAS  
STATION

73-82

PERIOD

DEC  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	0	100.0	100.0	99.4	97.1	90.6	80.9	68.6	51.5	9.4	75.6	309
	1	100.0	100.0	99.4	98.1	91.9	81.9	70.9	54.4	11.7	77.0	309
	2	100.0	100.0	100.0	99.0	94.5	83.5	71.5	56.0	14.9	77.8	309
	3	100.0	100.0	100.0	98.4	91.3	79.6	64.7	45.6	15.5	75.3	309
	4	100.0	100.0	97.4	88.7	75.7	54.4	35.9	16.8	7.2	62.6	309
	5	100.0	100.0	94.5	81.9	67.3	52.4	33.3	13.6	2.6	60.3	309
	6	100.0	99.7	98.1	93.2	83.5	69.2	56.8	32.5	5.2	69.5	308
	7	100.0	100.0	99.0	96.4	88.0	76.2	64.3	44.8	9.1	73.6	308
	8											
	9											
	10											
TOTALS		100.0	100.0	98.5	94.1	85.4	72.4	58.3	39.4	9.0	71.5	2470

NAVWEASERVCOM



# RELATIVE HUMIDITY

1952 CORPUS CHRISTI, TEXAS  
STATION STATION NAME

73-30

PERIOD

ALL  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.2	95.8	89.3	79.8	67.1	57.7	19.6	76.1	2479
FEB		100.0	99.6	98.1	94.5	87.0	78.1	65.1	46.7	15.6	74.5	2256
MAR		100.0	99.8	98.3	94.0	87.5	80.0	69.2	51.6	19.3	76.0	2480
APR		100.0	99.9	98.8	96.2	91.9	84.5	72.0	49.8	13.2	76.4	2470
MAY		100.0	100.0	99.9	99.0	96.5	88.9	69.9	39.6	11.0	75.9	2480
JUN		100.0	100.0	100.0	99.3	96.7	85.8	61.0	31.6	7.2	73.7	2470
JUL		100.0	100.0	100.0	100.0	98.2	82.4	56.3	24.9	6.0	72.3	2460
AUG		100.0	100.0	100.0	100.0	98.3	84.6	57.7	25.6	5.8	72.6	2479
SEP		100.0	100.0	99.9	97.6	93.0	80.7	56.1	23.9	5.8	71.2	2399
OCT		100.0	100.0	99.5	96.7	89.4	76.1	52.7	23.6	4.5	69.9	2480
NOV		100.0	100.0	98.7	94.8	87.8	76.9	59.6	36.6	6.7	72.0	2480
DEC		100.0	100.0	98.5	94.1	85.4	72.4	58.3	39.4	9.0	71.5	2470
TOTALS		100.0	99.9	99.2	96.9	91.9	80.9	62.1	37.2	10.3	73.5	29203

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

1

JANUARY 1973-DECEMBER 1982

JANUARY 1973-DECEMBER 1982

JANUARY

ALL

STATION

STATION NAME

YEAR

MONTH

NO. OF DAYS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	17.1	4.3		30.4	19.1		4.3	6.7		72	2.9
72 TO 76	7.2	4.3	8.7	26.3	46.7	2.2	1.1	5.4	1.1	92	3.7
67 TO 71	4.4	4.0	8.7	26.3	46.6	3.7	3.3	1.7	2.3	99	3.9
62 TO 66	2.7	9.5	11.3	18.2	37.4	4.4	1.0	4.9	4.6	99	3.9
57 TO 61	17.2	18.5	27.6	10.6	11.9	2.9	1.3	5.1	10.0	179	7.1
52 TO 56	27.7	26.2	17.6	6.9	6.4	2.0	2.2	5.2	11.1	485	19.3
47 TO 51	21.3	25.5	2.7	1.4	4.2	3.9	3.9	7.6	12.4	355	14.3
42 TO 46	47.5	17.0	3.7	.8	2.9	3.7	3.3	1.1	4.9	244	9.8
37 TO 41	3.1	12.2	2.8		2.3	2.3	1.7	5.1	.6	177	7.1
32 TO 36	55.1	20.9	1.2	1.2	1.2	2.3	3.5	11.6	2.3	244	9.8
27 TO 31	45.0	16.1	4.0					24.0	1.0	244	9.8
22 TO 26	40.0	20.7									
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO -7											
-8 TO -11											
-12 TO -15											
-16 TO -19											
-20 TO -23											
-24 TO -27											
-28 TO -31											
-32 TO -35											
-36 TO -39											
-40 TO -43											
-44 TO -47											
-48 TO -51											
-52 TO -55											
TOTALS	24.0	19.2	6.9	11.5	17.5	3.1	2.2	5.9	6.8	2479	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

1944  
STATION

POINT CHRISTI, TEXAS

JANUARY 1973-DECEMBER 1982

FEbruary

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESS & SE	SSS & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 12											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86		10.0				10.0				2	.1
77 TO 81	11.5	2.3	7.3	19.5	7.9	2.3	2.3	7.0		47	1.6
72 TO 76	7.3	.7	5.3	17.7	41.1	4.0		4.0		151	5.7
67 TO 71	6.0	2.9	5.6	42.8	33.0	2.0	.6	4.6	1.4	343	12.4
62 TO 66	10.1	5.4	10.1	24.2	33.0	3.3	1.6	2.5	2.7	465	17.5
57 TO 61	10.2	14.2	19.0	14.2	14.6	3.0	2.4	3.0	8.7	332	14.7
52 TO 56	25.4	25.4	2.2	5.3	0.4	1.3	1.5	3.7	9.8	327	14.5
47 TO 51	31.5	30.7	15.0	1.9	3.0	4.1	4.5	2.2	7.1	267	11.8
42 TO 46	43.4	31.7	6.9	1.1	1.6	2.1	2.6	5.3	5.3	185	8.4
37 TO 41	45.0	12.2	4.3			6.7	1.3	5.0		75	3.4
32 TO 36	73.8	10.2						3.0		84	3.8
27 TO 31	15.0	25.0								"	.1
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
1 TO 5											
0 TO 4											
12 TO 16											
16 TO 20											
20 TO 24											
24 TO 28											
28 TO 32											
32 TO 36											
36 TO 40											
40 TO 44											
44 TO 48											
48 TO 52											
52 TO 56											
56 TO 60											
60 TO 64											
64 TO 68											
68 TO 72											
72 TO 76											
76 TO 80											
80 TO 84											
84 TO 88											
88 TO 92											
92 TO 96											
96 TO 100											
TOTALS	23.7	15.7	11.9	19.5	17.1	3.0	1.9	3.6	4.8	2256	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

STATION NAME

YEAR

MONTH

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	170.0										.1
82 TO 86	9.4	3.1	3.1	21.9	1.9	3.1	3.1	34.4		12	1.3
77 TO 81	3.6	2.6	9.9	37.7	31.8	.7	2.0	6.0	.7	151	6.1
72 TO 76	5.1	5.8	10.1	37.7	37.7	1.0	.2	1.6	.8	486	19.6
67 TO 71	6.2	7.1	20.1	26.7	34.1	1.5	1.1	1.6	1.5	791	31.9
62 TO 66	11.2	13.6	22.4	22.6	1.7	2.6	1.0	2.4	2.6	508	20.5
57 TO 61	19.3	21.4	22.5	8.2	14.3	5.0	2.5	1.4	5.4	280	11.3
52 TO 56	30.1	28.5	3.3	4.9	8.1	4.9	7.3	3.3	9.8	123	5.7
47 TO 51	47.4	15.9	3.2	4.6	4.8	6.3	3.2	7.9	6.3	63	2.5
42 TO 46	75.3	7.1	3.6					14.3		28	1.1
37 TO 41	53.6		7.7	7.7			7.7		23.1	13	.5
32 TO 36	100.0									1	.0
27 TO 31	100.0									0	.1
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	12.1	10.7	16.5	24.4	37.1	2.3	1.5	2.8	2.6	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

1 0 0  
STATION

APRIL CHRISTI, TEXAS

STATION NAME

JANUARY 1977-DECEMBER 1982

YEAR

APRIL

MONTH

ALL

HOURS PER DAY

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	23.0	40.0		27.0				23.0		5	.2
82 TO 86	6.0	7.0	6.0	45.0	29.0	1.0		2.0		100	4.2
77 TO 81	3.4	5.3	14.2	45.4	28.2	1.7		.6	.6	465	19.4
72 TO 76	3.3	5.2	16.1	40.3	28.7	2.1	.3	1.6	1.4	85	35.6
67 TO 71	9.3	11.3	24.1	27.8	18.5	1.5	1.3	2.4	3.9	547	22.5
62 TO 66	24.3	22.1	12.0	13.8	10.1	3.2	4.1	2.3	4.3	217	9.0
57 TO 61	35.2	19.8	7.4	8.6	11.1		4.9	7.4	4.0	51	3.4
52 TO 56	11.3	25.0	3.1	3.1	3.1	18.8	6.3	3.1	6.3	32	1.3
47 TO 51	51.0							50.0		2	.3
42 TO 46						100.0				7	.1
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO -7											
-8 TO -11											
-12 TO -15											
-16 TO -19											
-20 TO -23											
-24 TO -27											
-28 TO -31											
-32 TO -35											
-36 TO -39											
-40 TO -43											
-44 TO -47											
-48 TO -51											
-52 TO -55											
-56 TO -59											
-60 TO -63											
-64 TO -67											
-68 TO -71											
-72 TO -75											
-76 TO -79											
-80 TO -83											
-84 TO -87											
-88 TO -91											
-92 TO -95											
-96 TO -99											
TOTALS	7.6	9.1	16.3	34.7	23.5	2.2	1.0	2.1	2.5	2470	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

ADDY CHRISTI, TEXAS

JANUARY 1973-DECEMBER 1982

MONTH

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96			13.3		13.3			33.3		7	.1
87 TO 91	3.5	6.1	7.0	57.0	26.3					114	4.6
82 TO 86	2.5	5.6	13.0	47.6	29.3	.5	.2	.7	.4	557	22.3
77 TO 81	7.1	4.2	13.6	41.0	33.5	1.3	.5	.7	2.1	1744	42.1
72 TO 76	7.0	10.9	19.1	27.7	24.4	1.2	1.4	2.1	4.6	561	22.6
67 TO 71	29.4	13.5	10.3	14.8	14.2	.6	4.5	3.2	10.3	155	6.3
62 TO 66	43.6	10.3		5.1	5.1	5.1	15.4	7.7	7.7	39	1.6
57 TO 61	10.0	8.3				16.7	16.7	8.3		17	.5
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -7											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
DATA LOST											
TOTALS	6.3	6.8	14.0	38.1	28.4	1.2	1.2	1.3	2.8	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

1000  
STATION

COCHRAN CHRISTI, TEXAS  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEAR

JULY  
MONTH

ALL  
HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101								100.0		1	.0
92 TO 96		11.2	2.3	24.6	63.1		2.0	2.0	2.0	40	2.0
87 TO 91	1.0	3.4	11.9	47.3	34.6		.3	.2	.6	624	28.7
82 TO 86	3.0	3.6	9.7	43.0	36.8	1.8	.8	.5	.8	971	38.4
77 TO 81	3.5	5.4	13.2	26.2	36.2	3.3	2.3	1.7	6.2	691	28.9
72 TO 76	16.5	6.8	14.6	18.4	7.8	3.9	8.7	3.9	19.4	103	4.3
67 TO 71	9.1	18.2		9.1	9.1	9.1	18.2	9.1	18.2	11	.5
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.2	4.4	11.3	34.3	35.0	2.1	1.5	1.0	3.2	2460	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

17-1  
STATION

COOPER'S CHRISTI, TEXAS  
STATION NAME

JANUARY 1973-DECEMBER 1992  
YEAR

JULY  
MONTH

ALL  
PERIOD

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSW & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	.6	2.2	4.9	38.7	47.7	.4		.6	.6	181	7.3
87 TO 91	.5	2.5	6.4	48.9	55.4	3.7	.4		.2	976	32.5
82 TO 86	1.4	.6	5.8	36.6	49.5	3.7	1.1	.3	1.6	946	33.1
77 TO 81	2.3	2.9	6.2	24.4	45.8	6.2	2.5	.8	8.9	517	20.8
72 TO 76	3.3	6.7	3.3	16.7	16.7	13.3	6.7	13.3	10.0	30	1.2
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	1.3	2.0	7.0	37.9	43.7	3.8	1.1	.5	2.7	2487	100.0

NAVWEASERCOM



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

1  
STATION

TEMPERATURE, TEXAS  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEAR

AUGUST  
MONTH

ALL  
HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101					100.0						.1
92 TO 96	1.1	4.4	14.5	45.7	32.3	1.1	.5			147	7.5
87 TO 91	1.7	7.1	16.9	41.1	29.5	2.7	.6	.3		691	27.9
82 TO 86	7.2	4.3	12.2	33.1	34.3	3.0	.7	.9	3.3	1024	41.4
77 TO 81	4.4	4.2	9.4	17.7	2.2	6.3	6.1	1.7	18.0	543	21.9
72 TO 76	3.2	6.5	9.7	22.6	9.7	6.5	22.6	3.2	16.1	31	1.7
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.9	5.1	13.0	32.8	34.2	3.5	2.1	.8	5.5	2479	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

COMP 3 CHRISTI, TEXAS

STATION NAME

JANUARY 1973-DECEMBER 1952

YEARS

SEPTEMBER

MONTH

ALL

NO. OF OBS.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122-											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101		3.3	3.3	3.3							.1
92 TO 96	2.6	2.6	20.8	28.6	19.0	3.9		1.3	1.3	77	3.2
87 TO 91	1.9	9.1	21.6	37.3	23.7	2.7	1.9	.6	1.5	473	19.7
82 TO 86	5.7	6.8	14.2	32.9	16.1	2.7	1.2	1.0	3.4	934	39.1
77 TO 81	12.4	16.3	14.4	12.7	13.7	4.6	3.7	5.3	15.9	590	24.6
72 TO 76	24.5	32.5	6.3	5.1	5.1	3.4	3.4	7.2	12.7	237	9.9
67 TO 71	41.9	21.6	1.4	1.4	4.1	1.4	12.2	5.4	11.8	74	3.1
62 TO 66	28.6	14.3					28.6	28.6		7	.3
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-21 TO -19											
-26 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-60 & LOWER											
TOTALS	9.8	13.3	16.3	24.8	10.1	3.2	2.5	2.8	7.2	2399	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

1

POINT CHRIST, TEXAS

JANUARY 1973-DECEMBER 1992

CIOBER

ALL

STATION

STATION NAME

YEAR

MONTH

HOURLY PERCENT

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96			13.0	4.5	77.3	4.5				22	.2
87 TO 91	.9	.9	16.4	28.2	50.0	3.6				11	4.4
82 TO 86	2.9	6.3	14.6	30.5	38.8	3.5	.4	.2	.4	44	18.7
77 TO 81	5.4	12.3	17.7	30.1	25.4	1.8	1.2	1.7	4.4	61	26.7
72 TO 76	11.7	17.5	20.4	14.6	17.9	2.9	.9	3.3	10.7	54	22.1
67 TO 71	27.0	25.1	13.0	4.5	4.5	2.6	4.2	4.8	14.3	78	15.2
62 TO 66	29.5	33.5	3.9	3.4	1.7	3.4	5.6	6.1	14.0	179	7.2
57 TO 61	42.9	26.0	2.6		1.3	3.9	11.7	2.6	9.1	77	3.1
52 TO 56	50.0	23.1				5.4	5.8	15.4		52	2.1
47 TO 51	50.0					16.7	16.7		11.7	6	.2
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
-68 TO -64											
-73 TO -69											
-78 TO -74											
-83 TO -79											
-88 TO -84											
-93 TO -89											
TOTALS	11.3	16.2	15.0	16.9	51.5	2.9	2.2	2.3	7.2	208	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

112.1  
STATION

PORT CHRISTI, TEXAS  
STATION NAME

JANUARY 1971-DECEMBER 1980  
YEAR

NOVEMBER  
MONTH

ALL  
NO. OF YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122.1											
112 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	3.2	4.3	9.6	34.0	19.3	9.6	1.1			84	3.6
77 TO 81	1.9	5.0	7.7	35.4	40.5	5.0	.3	1.9	1.7	111	17.0
72 TO 76	5.2	6.8	9.5	27.8	30.6	6.7	.8	2.0	3.4	507	21.0
67 TO 71	16.8	15.7	17.0	13.5	17.5	4.9	2.9	2.5	9.2	445	18.4
62 TO 66	23.4	24.7	13.6	6.2	9.0	2.5	2.8	5.2	12.0	124	13.5
57 TO 61	17.2	27.0	8.9	3.0	4.3	2.0	2.3	5.9	9.5	104	12.7
52 TO 56	49.3	26.6	2.4	.5	1.4	2.4	3.4	5.3	8.7	207	8.5
47 TO 51	40.4	27.7	4.3		5.0	.7	5.0	11.3	5.7	141	5.9
42 TO 46	42.1	42.1						7.9	7.9	39	1.6
37 TO 41	56.5	17.4					2.7	8.7	6.7	23	1.0
32 TO 36	100.0										.3
27 TO 31	100.0										.7
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO -7											
-8 TO -11											
-12 TO -15											
-16 TO -19											
-20 TO -23											
-24 TO -27											
-28 TO -31											
-32 TO -35											
-36 TO -39											
-40 TO -43											
-44 TO -47											
-48 TO -51											
-52 TO -55											
-56 TO -59											
-60 A. W. S. P.											
TOTALS	20.7	16.6	10.0	15.5	20.3	4.1	2.1	3.9	6.7	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

CONRAD CHRISTI, TEXAS

JANUARY 1973-DECEMBER 1982

MONTH

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	170.0									1	.0
82 TO 86					40.0	60.0				2	.2
77 TO 81	2.9	4.3	1.4	24.6	52.2	7.2	4.3	2.9		67	2.2
72 TO 76	1.3	2.2	3.1	24.7	58.3	4.9	2.2	1.6	1.3	223	5.0
67 TO 71	5.4	5.4	4.3	15.8	47.5	8.5	1.8	2.6	4.7	757	15.7
62 TO 66	15.7	17.5	13.5	10.6	4.0	4.3	.7	3.8	9.6	416	16.8
57 TO 61	25.4	24.4	13.6	4.3	6.5	3.0	3.0	7.3	12.3	397	16.1
52 TO 56	35.4	25.8	5.8	2.5	5.2	2.5	4.7	6.5	11.7	446	18.1
47 TO 51	40.4	27.3	2.5	1.6	3.6	3.4	4.4	8.8	7.8	719	12.9
42 TO 46	49.7	21.1	.7		2.7	4.8	6.8	8.2	6.1	147	6.0
37 TO 41	53.7	22.2			1.9	1.9	5.6	9.3	5.6	14	2.2
32 TO 36	50.0								20.0	1	.2
27 TO 31						100.0				1	.0
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO -7											
-8 TO -11											
-12 TO -15											
-16 TO -19											
-20 TO -23											
-24 TO -27											
-28 TO -31											
-32 TO -35											
-36 TO -39											
-40 TO -43											
-44 TO -47											
-48 TO -51											
-52 TO -55											
56 A. LWR											
TOTALS	23.2	18.0	7.5	8.5	1.0	4.6	7.2	5.5	8.1	247	100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

1  
STATION

W. S. CHRISTI, TEXAS  
STATION NAME

JANUARY 1973-OCTOBER 1980  
YEARS

ALL  
MONTH

ALL  
HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101		16.7	16.7	16.7	23.3			16.7		4	0.7
92 TO 96	1.4	3.9	12.7	27.1	42.3	1.4	.4	.9	.5	519	1.0
87 TO 91	1.4	5.1	13.7	44.1	31.9	2.9	.6	.2	.5	2424	4.7
82 TO 86	3.3	4.9	11.8	37.2	36.6	2.7	.8	.9	1.2	5062	17.3
77 TO 81	4.9	6.9	12.3	20.1	31.8	3.4	2.1	1.9	6.6	5119	17.5
72 TO 76	7.2	9.3	13.4	29.2	29.4	2.9	1.4	2.7	4.6	3916	13.4
67 TO 71	11.9	15.5	14.9	21.9	27.1	3.1	2.3	2.2	5.4	3428	11.7
62 TO 66	15.3	16.1	13.3	16.0	22.3	3.4	2.2	3.8	6.6	2565	8.0
57 TO 61	25.3	21.2	15.7	7.7	9.8	3.1	2.9	5.3	9.2	1362	6.4
52 TO 56	13.2	26.2	9.1	4.1	5.3	2.6	3.5	5.7	10.1	1592	5.5
47 TO 51	26.1	26.2	7.5	1.6	3.9	3.6	4.3	7.4	6.7	1150	4.0
42 TO 46	47.5	27.2	3.7	.9	2.2	3.4	1.5	6.8	5.2	642	2.2
37 TO 41	22.3	28.4	2.6	.3	1.5	2.9	2.9	6.4	2.4	342	1.2
32 TO 36	15.4	18.0	.8	.2	.8	1.5	2.3	4.3	2.3	133	.5
27 TO 31	4.5	15.2	1.3			3.		14.2	6.1	77	.1
22 TO 26	50.0	50.0									0.0
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO -1											
-8 TO -3											
-13 TO -8											
-18 TO -13											
-23 TO -18											
-28 TO -23											
-33 TO -28											
-38 TO -33											
-43 TO -38											
-48 TO -43											
-53 TO -48											
-58 TO -53											
-63 TO -58											
TOTALS	1.2	11.4	12.4	25.5	25.0	3.0	1.9	2.8	5.7	29203	100.0

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Savannah, N. C.

## PART F

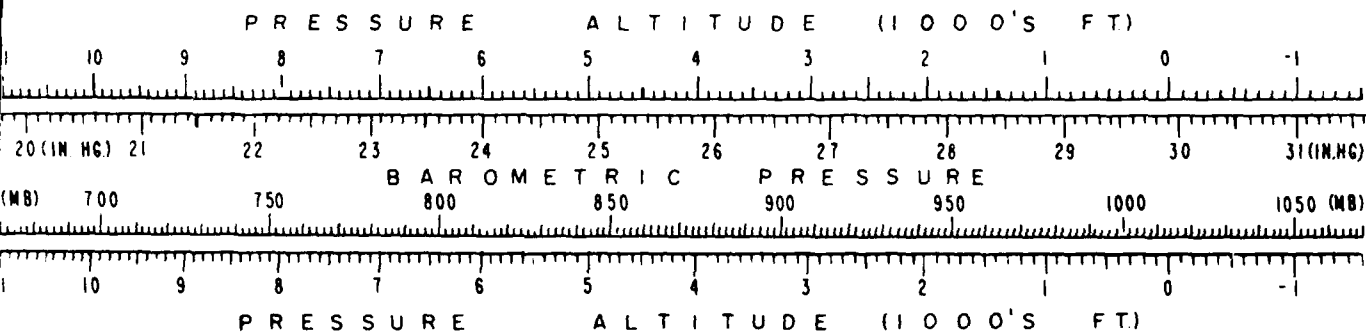
## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

Station pressure in inches of mercury.

Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



F



# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

1. GOLDEN CHRISTI, TEXAS

73-52

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	1020.3	1020.0	1014.9	1014.9	1012.4	1014.1	1015.7	1015.5	1014.6	1017.4	1018.9	1019.8	1016.5
	S. D.	6.713	6.619	6.051	5.547	4.358	1.369	2.207	2.302	3.133	4.560	5.842	6.678	5.631
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	309	3650
	MEAN	1019.8	1019.2	1014.2	1013.9	1011.4	1013.4	1015.2	1014.9	1014.0	1016.8	1018.3	1019.2	1015.6
	S. D.	6.774	6.746	6.048	5.604	4.340	3.338	2.208	2.395	3.195	4.621	5.989	6.641	5.707
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	1019.7	1019.4	1014.5	1014.4	1012.3	1013.9	1015.6	1015.2	1014.4	1017.2	1018.5	1019.2	1016.2
	S. D.	6.324	6.619	6.119	5.561	4.367	3.336	2.218	2.451	3.229	4.687	6.006	6.760	5.659
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	1021.4	1021.0	1016.1	1015.8	1013.2	1015.1	1016.7	1016.4	1015.6	1018.6	1020.1	1020.6	1017.5
	S. D.	6.976	6.691	6.128	5.622	4.439	3.285	2.259	2.423	3.253	4.768	6.012	6.845	5.759
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	309	3651
1	MEAN	1021.3	1021.1	1016.1	1015.7	1013.1	1015.0	1016.7	1016.4	1015.5	1018.4	1019.7	1020.5	1017.5
	S. D.	6.503	6.751	6.212	5.631	4.446	3.307	2.252	2.400	3.286	4.793	5.967	6.800	5.744
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	1018.8	1018.6	1013.7	1014.0	1011.7	1013.8	1015.4	1014.9	1013.8	1016.4	1017.6	1018.3	1015.6
	S. D.	6.674	6.707	6.208	5.611	4.445	3.399	2.295	2.357	3.217	4.805	5.917	6.776	5.600
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	1019.0	1018.4	1013.3	1013.3	1010.8	1012.8	1014.4	1014.1	1013.4	1016.3	1017.7	1018.4	1015.2
	S. D.	6.846	6.647	6.147	5.562	4.416	3.388	2.270	2.354	3.209	4.732	5.951	6.666	5.712
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	308	3650
	MEAN	1020.2	1019.6	1014.5	1014.6	1011.9	1013.6	1015.1	1014.9	1014.5	1017.4	1018.9	1019.5	1016.2
	S. D.	6.555	6.586	6.006	5.508	4.336	3.374	2.196	2.309	3.193	4.707	6.003	6.626	5.710
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	308	3650
ALL HOURS	MEAN	1020.2	1019.7	1014.7	1014.6	1012.1	1014.0	1015.6	1015.3	1014.5	1017.3	1018.7	1019.5	1016.3
	S. D.	6.544	6.726	6.167	5.634	4.455	3.420	2.352	2.483	3.294	4.766	6.008	6.772	5.745
	TOTAL OBS	2474	2256	2480	2400	2470	2400	2480	2480	2400	2480	2400	2470	29205

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END

DATE  
FILMED

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